

United States Court of Appeals for the Federal Circuit

MARINE POLYMER TECHNOLOGIES, INC.,
Plaintiff-Appellee,

v.

HEMCON, INC.,
Defendant-Appellant.

2010-1548

Appeal from the United States District Court for the District of New Hampshire in Case No. 06-CV-100, Judge Joseph A. DiClerico, Jr.

Decided: March 15, 2012

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MATTHEW J. MOORE, Latham & Watkins LLP, of Washington, DC, for amici curiae Geico Corporation, et al. With him on the brief were JULIE M. HOLLOWAY and ADAM M. GREENFIELD.

Before RADER, *Chief Judge*, NEWMAN, LOURIE, BRYSON, GAJARSA,¹ LINN, DYK, PROST, REYNA, and WALLACH, *Circuit Judges*.²

Opinion for the court in part filed by *Circuit Judge* LOURIE, in which *Chief Judge* RADER and *Circuit Judges* NEWMAN, BRYSON, and PROST join in full, and in which *Circuit Judge* LINN joins in part II.

Opinion filed by *Circuit Judge* DYK, dissenting in part, in which *Circuit Judges* GAJARSA, REYNA, and WALLACH join in full, and in which *Circuit Judge* LINN joins in parts I–II.

LOURIE, *Circuit Judge*.

Defendant-Appellant HemCon, Inc. (“HemCon”) appeals from a judgment of the United States District Court for the District of New Hampshire holding that HemCon infringed U.S. Patent 6,864,245 (“the ’245 patent”) assigned to Plaintiff-Appellee Marine Polymer Technologies, Inc. (“Marine Polymer”). On September 26, 2011, a panel of this court reversed the district court’s decision, concluding that HemCon had acquired intervening rights in the ’245 patent based on actions taken by Marine Polymer during a parallel reexamination proceeding. *Marine Polymer Techs., Inc. v. HemCon, Inc.*, 659 F.3d 1084 (Fed. Cir. 2011) (“*Panel Opinion*”), *vacated*, 2012 U.S. App. LEXIS 1155 (Fed. Cir. Jan. 20, 2012). Upon reconsideration en banc, we affirm the judgment of the district court by an equally divided court. Although the district court did not have the reexamination before it or decide the

¹ *Circuit Judge* GAJARSA assumed senior status on July 31, 2011.

² *Circuit Judges* MOORE and O’MALLEY did not participate in the decision.

effect of that issue on its decision, we also consider Hem-Con's arguments with respect to the reexamination and a majority of this court concludes as an alternative ground for affirmance that intervening rights do not apply to claims that have not been amended and are not new.

BACKGROUND

Marine Polymer owns the '245 patent, which discloses and claims preparations of poly- β -1 \rightarrow 4-N-acetylglucosamine ("p-GlcNAc"), a naturally occurring polysaccharide polymer produced by organisms such as arthropods, fungi, and microalgae. Purified p-GlcNAc has utility in various industrial, pharmaceutical, and biomedical applications. For example, p-GlcNAc promotes hemostasis (*i.e.*, stoppage of bleeding or hemorrhage) and is therefore useful in trauma units for treating serious wounds.

The '245 patent places particular emphasis on "biocompatible" compositions of p-GlcNAc. In this context, biocompatibility relates to a compound's biological reactivity or tendency to elicit deleterious reactions—*e.g.*, necrosis, erythema, edema, cellular degeneration—upon exposure to living cells or tissues. *E.g.*, '245 patent col.42 ll.36–38, col.44 ll.15–16. The specification describes four tests that can be used to assess the biocompatibility of a substance: an elution test, an implantation test, an intracutaneous injection test, and a systemic injection test. *Id.* col.42 ll.1–3. The disclosed elution test involves exposing a test substance to a solution to create an extract, exposing cultured test cells to the extract, and then observing the cells for signs of cytotoxicity. *See id.* col.42 ll.6–62. The implantation test involves implanting a sample of the test substance into an animal's muscle tissue and scoring the severity of any adverse local reactions. *See id.* col.42 l.64 – col.43 l.64. The intracutaneous

injection test calls for preparing an extract of the test substance, injecting small volumes of the extract into the skin of an animal, and monitoring the injection sites for reactivity. *See id.* col.43 l.65 – col.44 l.56. Finally, in the systemic injection test, animals are monitored for weight changes and other overt signs of toxicity after receiving intravenous or intraperitoneal injections of a test substance extract. *See id.* col.44 l.57 – col.45 l.42.

In describing these biocompatibility tests, the specification indicates that their requirements are met if a given test substance shows no more than mild or slight reactivity. For example, scores on the elution test range from zero to four on a scale of biological reactivity, where zero represents no reactivity, one represents slight reactivity, two represents mild reactivity, and three or four represent moderate or severe reactivity, respectively, and a substance can satisfy the elution test “if none of the cultures treated with the test article show a greater than mild reactivity.” *Id.* col.42 ll.41–62. But with regard to the claimed p-GlcNAc compositions, the specification also states that “the p-GlcNAc of the invention exhibits no detectable biological reactivity, as assayed by elution tests, intramuscular implantation in rabbits, intracutaneous injection in rabbits, and systemic injections in mice.” *Id.* col.41 l.66 – col.42 l.3; *see also* col.45 l.44 – col.49 l.66 (reporting biocompatibility test results for p-GlcNAc showing zero reactivity on each test).

The '245 patent issued with 22 claims, all of which recite “biocompatible” compositions of p-GlcNAc. A majority of those claims recite the “biocompatible” limitation generically. Independent claim 6 is representative:

A *biocompatible* poly- β -1 \rightarrow 4-N-acetylglucosamine comprising up to about 150,000 N-acetylglucosamine monosaccharides covalently at-

tached in a β -1 \rightarrow 4 conformation and having a molecular weight of up to about 30 million daltons in which at least one N-acetylglucosamine monosaccharide has been deacetylated.

Id. col.72 ll.5–10 (emphasis added). In addition, the '245 patent contains several dependent claims that recite specific scores on the elution test. For example, claim 12 claims: “The biocompatible poly- β -1 \rightarrow 4-N-acetylglucosamine of any one of claims 6–11 *which has an elution test score of 0.*” *Id.* col.72 ll.33–35 (emphasis added). Claims 3 and 20 also specify zero scores on the elution test; analogous claims 4, 5, 13, 14, 21, and 22 require elution test scores of one or two. *E.g., id.* col.72 ll.33–41.

Marine Polymer sued HemCon in March 2006, alleging that HemCon infringed the '245 patent. During subsequent *Markman* proceedings, Marine Polymer argued that “biocompatible” p-GlcNAc should be construed to mean “biomedically pure [p-GlcNAc] that reproducibly exhibits acceptably low levels of adverse bioreactivity, as determined by biocompatibility tests.” *Marine Polymer Techs., Inc. v. HemCon, Inc.*, No. 06-CV-100, 2008 WL 1995454, at *1 (D.N.H. May 6, 2008). HemCon countered that “biocompatible” should be read as limiting the claims to p-GlcNAc that had been “harvested from plant microalgae,” or, in the alternative, should be interpreted broadly to mean “suited for biomedical applications.” *Id.* at *1–2. The district court considered, and ultimately rejected, each of the parties’ proposed constructions after reviewing the '245 patent’s claim language, written description, and prosecution history. Instead, the district court concluded that “biocompatible” p-GlcNAc, as claimed in the '245 patent, means p-GlcNAc “with low variability, high purity, and no detectable biological

reactivity as determined by biocompatibility tests.” *Id.* at *10.

Marine Polymer then moved for summary judgment that HemCon literally infringed claims 6, 7, 10–12, 17, and 20 of the ’245 patent. Applying its claim construction, the district court granted Marine Polymer’s motion and held that HemCon had infringed all seven asserted claims. A jury trial followed to determine validity and damages. The jury made factual findings relating to obviousness and determined that the ’245 patent was not anticipated by the cited prior art. With respect to damages, the jury found that Marine Polymer was entitled to a reasonable royalty of \$29,410,246. After the jury verdict, HemCon filed motions for judgment as a matter of law (“JMOL”) on anticipation, on the jury’s factual findings relating to obviousness, and challenging the damages award as not supported by substantial evidence. The district court denied each of the motions and made a further legal determination that the asserted claims were not obvious under 35 U.S.C. § 103. The district court entered a permanent injunction on September 16, 2010, barring HemCon from further infringement of the asserted claims, and issued its final judgment on September 22, 2010. HemCon appealed the decision to this court.

In August 2009, while the infringement litigation was still before the district court, HemCon filed a request for *ex parte* reexamination of the ’245 patent in the United States Patent and Trademark Office (“PTO”). HemCon’s reexamination request cited ten prior art references—all of which, according to HemCon, raised substantial new questions of patentability for the ’245 patent given the construction of “biocompatible” adopted by the district court. J.A. 40740–41. In response, the PTO granted HemCon’s reexamination request, initiated reexamination proceedings, and issued a non-final office action on April

1, 2010.³ In this first office action, the examiner adopted a construction of “biocompatible” different from the district court’s, concluding that under its broadest reasonable interpretation, the term meant “low variability, high purity, and *little or no* detectable reactivity.” J.A. 39503 (emphasis added). Noting that dependent claims 4, 5, 13, 14, 21, and 22 of the ’245 patent required elution test scores of one or two (corresponding to slight or mild reactivity on that test as defined in the specification), the examiner explained that the district court’s construction requiring “no detectable biological reactivity” conflicted with those claims, while his interpretation avoided such inconsistency. The examiner then rejected all of the original 22 claims as invalid under his broader construction in light of the cited prior art. In so doing, he relied primarily on three prior art references—a scientific article (Sandford) and two patents (Peniston and Malette)—finding that each reference explicitly disclosed nearly all of the limitations of every claim. With respect to the “biocompatible” limitation, the examiner explained that any difference between the claimed biocompatibility and that disclosed by Sandford, Peniston, and Malette was “minor” and would have been obvious to a person of ordinary skill in the art at the time of the invention. J.A. 39507; *see also* 39517, 39522.

In response, Marine Polymer addressed “the improper dependency noted by the Examiner” by cancelling all six claims that had recited elution test scores of one or two (*i.e.*, claims that expressly required at least some reactivity), while leaving each of the remaining claims 1–3, 6–12, and 15–20 unaltered. Having deleted the inconsistent claims, Marine Polymer argued that “the [district court’s]

³ *Ex parte* reexamination of the ’245 patent was conducted under Reexamination Control No. 90/009,555.

interpretation of the term ‘biocompatible’ should be adopted in this reexamination” in view of various consistent teachings within the specification. J.A. 37688–90. With all conflicting claims cancelled, the examiner “agree[d] with the [district] court’s construction of the term biocompatible as derived from the specification of the . . . ’245 patent.” J.A. 39481. Furthermore, the examiner withdrew all rejections in view of that narrower construction and confirmed the remaining claims as patentable. *Id.*

The PTO did not provide notice of its intent to issue a reexamination certificate for the ’245 patent until November 3, 2010, after the district court had entered final judgment in Marine Polymer’s infringement action. HemCon timely appealed from the district court’s judgment, and on November 18, 2010, a motions panel of this court granted a stay of the damages award and permanent injunction pending appeal. On March 29, 2011, the PTO issued the final reexamination certificate (“’245 Reexam. Cert.”), which cancelled dependent claims 4, 5, 13, 14, 21, and 22 and confirmed the patentability of claims 1–3, 6–12, and 15–20 in accordance with the examiner’s decision. ’245 Reexam. Cert. col.2 ll.1–6.

A panel of this court heard oral arguments in HemCon’s appeal from the district court’s judgment on June 7, 2011, and issued a decision on September 26, 2011, in which a majority reversed the district court’s judgment on infringement and vacated the injunction and the damages award on grounds that HemCon had acquired intervening rights during reexamination of the ’245 patent. *Panel Opinion*, 659 F.3d at 1090–95. Marine Polymer petitioned for en banc rehearing, and on January 20, 2012, the full court granted Marine Polymer’s petition for rehearing and vacated the judgment of the panel. *Marine Polymer Techs., Inc. v. HemCon, Inc.*, No. 2010-1548, 2012 U.S.

App. LEXIS 1155 (Fed. Cir. Jan. 20, 2012). For the reasons described below, we now affirm the judgment of the district court.

DISCUSSION

I.

The District Court's Decision

A. Jurisdiction and Standards of Review

We have jurisdiction to entertain this appeal under 28 U.S.C. § 1295(a)(1). We address claim construction as a matter of law, which we review without formal deference on appeal, although we give respect to the judgments of the district courts. *Cybor Corp. v. FAS Techs., Inc.*, 138 F.3d 1448, 1456 (Fed. Cir. 1998) (en banc). We review grants of summary judgment *de novo*, reapplying the same standard applied by the district court under Federal Rule of Civil Procedure 56(a). *Iovate Health Scis., Inc. v. Bio-Engineered Supplements & Nutrition, Inc.*, 586 F.3d 1376, 1380 (Fed. Cir. 2009). Our review of a district court's denial of JMOL is governed by regional circuit law, *Union Carbide Chems. & Plastics Tech. Corp. v. Shell Oil Co.*, 425 F.3d 1366, 1372 (Fed. Cir. 2005), and the First Circuit reviews a district court's denial of JMOL *de novo*, *Astro-Med, Inc. v. Nihon Kohden Am., Inc.*, 591 F.3d 1, 13 (1st Cir. 2009). In such situations, "a jury's verdict must be upheld unless the facts and inferences, viewed in the light most favorable to the verdict, point so strongly and overwhelmingly in favor of the movant that a reasonable jury could not have reached the verdict." *Id.* (quoting *Borges Colon v. Roman-Abreu*, 438 F.3d 1, 14 (1st Cir. 2006)). In reviewing a district court's denial of JMOL on damages, the First Circuit reverses only where "reasonable persons could not have reached the conclusion that the jury embraced." *Visible Sys. Corp. v. Unisys Corp.*,

551 F.3d 65, 74 (1st Cir. 2008) (quoting *Attrezzi, LLC v. Maytag Corp.*, 436 F.3d 32, 37 (1st Cir. 2006)). Statutory interpretation is a matter of law that we consider *de novo*. *Aristocrat Techs. Austl. Pty. Ltd. v. Int’l Game Tech.*, 543 F.3d 657, 660 (Fed. Cir. 2008).

B. Claim Construction

HemCon argues that the district court’s construction of “biocompatible” to mean “low variability, high purity, and no detectable biological reactivity as determined by biocompatibility tests” was erroneous and warrants reversal of the judgment. In supporting this assertion, HemCon relies primarily on the presence of the six dependent claims in the original ’245 patent (eventually cancelled in reexamination) that required elution test scores of one or two, as well as passages in the written description characterizing certain biocompatibility tests as being satisfied despite detectable bioreactivity. HemCon therefore proposes a broader alternative construction, “suitable for biomedical applications,” that it argues would better align with the teachings in the specification and render the asserted claims invalid.

We disagree. The district court’s interpretation of “biocompatible” is supported by intrinsic evidence, and we therefore uphold that construction. Our claim construction analysis begins with the language of the claim itself, as it would have been understood by a person of ordinary skill in the art at the time of the invention. *Phillips v. AWH Corp.*, 415 F.3d 1303, 1312–13 (Fed. Cir. 2005) (en banc) (quoting *Vitrionics Corp. v. Conception, Inc.*, 90 F.3d 1576, 1582 (Fed. Cir. 1996) (“we look to the words of the claims themselves . . . to define the scope of the patented invention”)). Faced with widely varying proposed definitions from the parties, the district court did not find that “biocompatible” had a plain and ordinary meaning to

one skilled in the art. The district court properly looked first to the claims of the '245 patent and determined that they “do not define ‘biocompatible.’” *Marine Polymer*, 2008 WL 1995454, at *3.

Although several of the dependent claims specify that the “biocompatible” p-GlcNAc may exhibit mild reactivity in an elution test (*i.e.*, “an elution test score of 1” or “an elution test score of 2”), the majority of the claims use the term “biocompatible” generically, without any reference to a biocompatibility test score. Because the term “biocompatible” admits of no limitation based on the context of the claims, the district court properly turned to the teachings of the specification.

The specification teaches that the p-GlcNAc “of the invention” has “a high degree of biocompatibility” and directs the reader to a portion of the specification that “demonstrates the high biocompatibility of the p-GlcNAc of the invention.” ’245 patent col.10 ll.49–62. Further, the cited material provides empirical test results showing that the p-GlcNAc of the invention exhibited zero reactivity on each disclosed biocompatibility test, *id.* col.45 ll.45–50, col.46 ll.10–11 and 66–67, col.49 ll.26–29, and summarizes the results as follows: “[I]t is demonstrated that the p-GlcNAc of the invention exhibits no detectable biological reactivity, as assayed by elution tests, intramuscular implantation in rabbits, intracutaneous injection in rabbits, and systemic injections in mice.” *Id.* col.41 l.66 – col.42 l.3. Thus, the specification supports the district court’s claim construction. *See, e.g., Netcraft Corp. v. eBay, Inc.*, 549 F.3d 1394, 1398 (Fed. Cir. 2008) (“[T]he common specification’s repeated use of the phrase ‘the present invention’ describes the invention as a whole”); *Verizon Servs. Corp. v. Vonage Holdings Corp.*, 503 F.3d 1295, 1308 (Fed. Cir. 2007) (“When a patent thus describes the features of the ‘present invention’ as a

whole, this description limits the scope of the invention.”); *Honeywell Int’l, Inc. v. ITT Indus., Inc.*, 452 F.3d 1312, 1318 (Fed. Cir. 2006) (limiting claims to a fuel filter where “the written description refers to the fuel filter as ‘this invention’ or ‘the present invention’”).⁴

HemCon’s arguments highlighting an inconsistency between the district court’s construction and the claims requiring non-zero elution test scores, while not baseless, essentially amount to a conflict between teachings in the specification and the doctrine of claim differentiation. As we have held, claim differentiation is “not a hard and fast rule and will be overcome by a contrary construction dictated by the written description or prosecution history.” *Seachange Int’l, Inc. v. C-Cor, Inc.*, 413 F.3d 1361, 1369 (Fed. Cir. 2005); *see also Laitram Corp. v. Rexnord, Inc.*, 939 F.2d 1533, 1538 (Fed. Cir. 1991) (“Claim differentiation is a guide, not a rigid rule.”). Such description appears in the specification here, as indicated above.

We also find HemCon’s focus on the possibility of non-zero “passing” scores on the disclosed biocompatibility tests unpersuasive. In describing “Materials and Methods” for the four disclosed biocompatibility tests, the specification indicates that, for example, test substances

⁴ Judge Dyk’s opinion argues the details of claim construction based on the assertion that neither party argued the construction arrived at by the district court. We are not bound by the arguments of the parties, however, and neither was the district court. *Exxon Chem. Patents, Inc. v. Lubrizol Corp.*, 64 F.3d 1553, 1555 (Fed. Cir. 1995). Moreover, Judge Dyk suggests that we are deciding claim construction based only on one example, to the exclusion of others. In fact there is only one example of the claimed p-GlcNAc in the specification; the rest of the cited “examples” provide various methods of purifying, characterizing, or using the disclosed product.

may “meet[] the biocompatibility test if none . . . show a greater than mild reactivity.” ’245 patent col.42 ll.42–44. But such language appears only in generalized descriptions of these test methods; when read as a whole, the specification makes clear that the p-GlcNAc *of the invention* outperforms baseline standards and shows “no detectable biological reactivity as determined by biocompatibility tests.” The district court’s construction of “biocompatible” as meaning p-GlcNAc “with low variability, high purity, and no detectable biological reactivity as determined by biocompatibility tests” is therefore affirmed by an equally divided court.⁵

C. Infringement

Following its decision on claim construction, the district court ruled on summary judgment that HemCon infringed claims 6, 7, 10–12, 17, and 20 of the ’245 patent. On appeal, HemCon’s noninfringement challenge regarding claims 6, 7, 10, 11, and 17 hinges entirely on its failed claim construction arguments, and HemCon does not otherwise dispute its infringement of these claims. With regard to claims 12 and 20, HemCon raises an additional defense, arguing that the district court lacked sufficient evidence to establish literal infringement because HemCon’s products allegedly cannot undergo elution testing as required by those claims. However, HemCon has waived that argument by failing to raise it in opposing summary judgment, and we therefore need not consider it here. *Pandrol USA, LP v. Airboss Ry. Prods., Inc.*, 320 F.3d 1354, 1366–67 (Fed. Cir. 2003). Accordingly, we affirm

⁵ We also note that, while not a basis for our affirmation, the PTO arrived at the same conclusion upon interpreting the term in its parallel reexamination proceeding.

the district court's judgment regarding infringement of claims 6, 7, 10–12, 17, and 20 by an equally divided court.

D. Damages

Finally, HemCon seeks to overturn the jury's award of \$29,410,246 in damages as unreasonable and not supported by substantial evidence. Specifically, HemCon argues that Marine Polymer's expert lacked a sufficient basis for his testimony on what would constitute a reasonable royalty rate and that the jury improperly relied on the entire market value for its damages calculation. During trial, both parties presented expert testimony on damages. Marine Polymer's expert testified that, based on his evaluation of the case, a reasonable royalty would range from about 26–34% of HemCon's infringing sales, and he settled on 30%, or \$29,410,246, as the appropriate award. In contrast, HemCon's expert testified that 2–4% of all infringing sales represented the correct range, concluding that Marine Polymer's reasonable royalties would total \$2,767,589.

Both experts used the total sales of the accused products containing the infringing biocompatible p-GlcNAc as the royalty base. The use of the entire market value as the royalty base is acceptable to the extent that the patent owner proves that “the patent-related feature is the basis for customer demand.” *Lucent Techs., Inc. v. Gateway, Inc.*, 580 F.3d 1301, 1336 (Fed. Cir. 2009) (internal quotations omitted). The district court correctly found that the record contains substantial evidence to support a damages award based on the entire market value of HemCon's infringing products, including “evidence pertaining to the importance of biocompatible p-GlcNAc in HemCon's products and its significance for market demand.” *Marine Polymer Techs., Inc. v. Hem-*

Con, Inc., No. 06-CV-100, 2010 WL 3070201, at *4 (D.N.H. Aug. 3, 2010).

Ultimately, the jury was entitled to evaluate this conflicting evidence and credit the testimony of Marine Polymer's expert over that of HemCon, as it did. The jury also heard testimony from witnesses for both parties, including HemCon's own president, describing the claimed p-GlcNAc as "critical" to the core hemostatic function of the accused products. In sum, based on the evidence of record, the jury's damages award was supported by substantial evidence. In such cases, we may not "substitute [our] choice for that of the jury." *Brooktree Corp. v. Advanced Micro Devices, Inc.*, 977 F.2d 1555, 1580 (Fed. Cir. 1992). The damages award is therefore affirmed by an equally divided court.

II.

Intervening Rights

In addition, HemCon argues that the asserted claims of the '245 patent changed in scope during reexamination, HemCon thereby acquired intervening rights in those claims, and the district court's finding of infringement should therefore be reversed. To support its intervening rights defense, HemCon asserts that the district court's interpretation of "biocompatible" incorrectly narrowed the term by requiring "no detectable biological reactivity." According to HemCon, the district court's construction conflicts not only with statements in the written description, but also with the presence of dependent claims reciting elution test scores of one or two—claims that permit slight or mild reactivity and were in the original version of the '245 patent that was before the district court. HemCon contends that "biocompatible," at least as represented in the '245 patent before reexamination, therefore must have encompassed low, non-zero levels of

bioreactivity, so that the proper construction *at that time* was necessarily broader than the district court's interpretation.

Next, HemCon argues that, by cancelling dependent claims 4, 5, 13, 14, 21, and 22 and persuading the examiner to adopt the district court's construction of "biocompatible" during reexamination, Marine Polymer effected a substantive change in the scope of each remaining claim—essentially, from allowing some reactivity in the originally issued claims to permitting "no detectable biological reactivity" after reexamination. Citing our decision in *Laitram Corp. v. NEC Corp.*, 163 F.3d 1342, 1346–47 (Fed. Cir. 1998), HemCon argues that the key to intervening rights lies in determining "whether the *scope* of the reexamined claims differs from the original claims." Corrected Br. for Defendant-Appellant at 37, 2010 WL 5650491. HemCon thus concludes that this perceived "substantive change" to the surviving claims of the '245 patent during reexamination triggered intervening rights with respect to those claims. Under HemCon's view, substantive change applies especially to claims 6, 7, 10, 11, and 17, which, reciting no numerical result in any biocompatibility test, are generic in that respect. Furthermore, HemCon argues that even claims 12 and 20 were substantially changed in scope when the examiner adopted the district court's construction of "biocompatible" during reexamination, despite the fact that those claims have at all times required an elution test score of zero (corresponding to "no signs of cellular reactivity" on that test, '245 patent col.42 ll.39–40). HemCon argues that while claims 12 and 20 specified no reactivity on the *elution* test prior to reexamination, they nevertheless covered products exhibiting slight reactivity on *other* biocompatibility tests until Marine Polymer successfully

pressed the more restrictive “no detectable biological reactivity” construction during reexamination.⁶

Marine Polymer disagrees and argues that intervening rights cannot apply with respect to claims that have not been amended or newly introduced in the reexamination proceeding.⁷

The doctrine of intervening rights first developed as courts recognized that permitting substantive changes to the scope of patent claims through post-issuance procedures left “the door . . . open for gross injustice” where a third party, having already begun to make, use, or sell a given article, finds its previously lawful activities rendered newly infringing under a modified patent. *See Sontag Chain Stores Co. v. Nat’l Nut Co.*, 310 U.S. 281, 293–95 (1940). In such situations, the defendant “acquired at least a right to continue to use the [articles] as if it held a license therefor under the reissued patent.” *Id.* at 294–95 (quoting *Ashland Fire Brick Co. v. Gen. Refractories Co.*, 27 F.2d 744, 746 (6th Cir. 1928)). With respect to reissued patents, the concept of intervening rights was codified by the Patent Act of 1952, and the statute provides for two types of intervening rights: (1) intervening rights that abrogate liability for infringing claims added to or modified from the original patent if the accused products were made or used before the reissue, often

⁶ HemCon’s position is supported by *amici curiae* Hewlett-Packard Co., Broadcom Corp., Cisco Systems, Inc., Dell, Inc., eBay, Inc., Facebook, Inc., Google Inc., and SAP America, Inc.; and GEICO Corp., FedEx Corp., and Macy’s, Inc.

⁷ Marine Polymer’s position is supported by *amici curiae* Jan K. Voda; Intellectual Ventures Management LLC; the Biotechnology Industry Association and Pharmaceutical Research and Manufacturers of America; Soverain Software LLC and Tessera, Inc.; and Sealy Corp.

referred to as absolute intervening rights; and (2) intervening rights that apply as a matter of judicial discretion to mitigate liability for infringing such claims even as to products made or used after the reissue if the accused infringer made substantial preparations for the infringing activities prior to reissue, often referred to as equitable intervening rights. *See* 35 U.S.C. § 252 (2006). Intervening rights do not accrue, however, where the accused product or activity infringes a claim that existed in the original patent and remains “without substantive change” after reissue. *Seattle Box Co. v. Indus. Crating & Packing, Inc.*, 731 F.2d 818, 827–28 (Fed. Cir. 1984).

Although intervening rights originated as a defense against patents modified through reissue procedures, the doctrine has since been extended to the context of patent reexamination. Pursuant to 35 U.S.C. §§ 307(b) and 316(b), respectively, both *ex parte* and *inter partes* reexaminations can give rise to intervening rights. For example, § 307(b) provides as follows:

Any proposed *amended or new* claim determined to be patentable and incorporated into a patent following a reexamination proceeding will have the same effect as that specified in section 252 of this title for reissued patents on the right of any person who made, purchased, or used within the United States, or imported into the United States, anything patented by such proposed amended or new claim, or who made substantial preparation for the same, prior to issuance of a certificate under the provisions of subsection (a) of this section.

35 U.S.C. § 307(b) (emphasis added).⁸ Thus, after a patent emerges from reexamination, the statute makes available absolute and equitable intervening rights to the same extent provided in the reissue statute, but only with respect to “amended or new” claims in the reexamined patent.

With regard to HemCon’s intervening rights argument, we must first note that the reexamination of the ’245 patent was a separate and distinct proceeding that is not properly before us on appeal. It did not conclude until after trial, so the district court did not consider, nor could it have considered, the reexamination in rendering its judgment. The panel noted that the issue of intervening rights arose after the district court judgment, but concluded that it had the discretion to consider that issue on appeal because it was an event as to which judicial notice is appropriate. Exercising that discretion, the panel held that, in light of its reversal of the district court’s claim construction, HemCon is entitled to intervening rights and that the district court’s judgment of infringement therefore must be reversed.

Although we reject the premise of HemCon’s argument regarding intervening rights—that the district court’s claim construction prior to reexamination of the ’245 patent was erroneous—we conclude, as an alternative ground for decision, that even if the district court’s claim construction was erroneous, HemCon’s intervening rights argument must fail because it disregards the plain and unambiguous language of § 307(b). Section 307(b) governs intervening rights arising from *ex parte* reexamination and specifies that only “amended or new” claims

⁸ Section 316(b), governing intervening rights available after *inter partes* reexamination, contains essentially identical language.

incorporated into a patent during reexamination “will have the same effect as that specified in section 252,” *i.e.*, will be susceptible to intervening rights. HemCon ignores this threshold statutory requirement and asks that we proceed directly to the subsidiary “substantive change” analysis, which derives from § 252. *See Kaufman Co. v. Lantech, Inc.*, 807 F.2d 970, 975–77 (Fed. Cir. 1986) (explaining the relationship between §§ 252 and 307(b) and holding that “identical,” as used in § 252, means “without substantive change”). But under § 307(b), the first question when assessing whether intervening rights arose from a reexamination is whether the asserted claim is “amended or new”; if the answer is no, that ends the inquiry. Only if the claim at issue is new or has been amended may the court proceed to the second step in the analysis and assess the substantive effect of any such change pursuant to § 252.

Such a framework is consistent with our holding in *Laitram*. There, our focus rested on whether the claims had been substantively changed precisely because *the claims had been changed*—there was no question that the claims at issue had been amended in reexamination, so the dispute centered on the second step in the intervening rights analysis, *viz.*, whether those literal amendments to the claim language had effected substantive changes in claim scope. *See Laitram*, 163 F.3d at 1344 (“The parties dispute whether the scope of the original claims was substantively changed following *several amendments made during the reexamination* of the . . . patent.”) (emphasis added). In contrast, the patent claims asserted here against HemCon were neither “new” nor “amended”—claims 6, 7, 10–12, 17, and 20 contained identical language before *and* after reexamination. ’245 patent col.72 ll.5–16, 25–35, 50–54, 60–61; ’245 Reexam. Cert. col.2 ll.1–5. Whether or not Marine Polymer’s

arguments to the examiner and cancellation of claims during reexamination may have affected the remaining claims' effective scope, they did not "amend" those claims for intervening rights purposes or make them "new," which is what the statutory language requires. Intervening rights are therefore unavailable under § 307(b) as a matter of law.

HemCon sidesteps this issue by emphasizing the well-recognized principle that arguments made during prosecution can affect the ultimate meaning of a claim term—and thus the "scope" of a claim—and then returning to its contention that intervening rights turn on whether claim scope changes during reexamination. HemCon thus posits that Marine Polymer's actions in reexamination rendered the asserted claims effectively "amended" by disavowal or estoppel, even though the language of the claims was not formally changed. We disagree.

While it is true that claims are properly interpreted to account for arguments and concessions made during prosecution, HemCon's conclusion that the claims asserted here were "amended" for purposes of § 307(b) goes too far. In general parlance, "amend" means "to alter . . . formally by adding, deleting, or rephrasing." *American Heritage College Dictionary* 42–43 (3d ed. 1997). And even if the term were ambiguous standing alone, any doubts are resolved by its context within § 307.

Section 307(a) identifies three categories of claims in a reexamined patent: (1) claims that existed in the original patent but have been cancelled as unpatentable, (2) claims that existed in the original patent and have been confirmed as patentable, and (3) amended or new claims that did not exist in the original patent but have been found to be patentable and will be incorporated into

the patent by the PTO.⁹ In providing for intervening rights, § 307(b) is limited to the third category of claims, as evidenced by its corresponding reference to any “amended or new claim” that is “incorporated into a patent.” Any interpretation of “amended” that includes disavowal or disclaimer by argument alone, as advocated by HemCon, would conflict with the rest of § 307, for it is difficult to envision how arguments about claim meaning could be “incorporated into a patent” by the Director of the PTO. Finally, it is clear that “amended” is a term of art in patent prosecution,¹⁰ including reexamination proceedings,¹¹ and in that context connotes formal changes to the actual language of a claim. We thus

⁹ The text of Section 307(a) reads as follows:

In a reexamination proceeding under this chapter, when the time for appeal has expired or any appeal proceeding has terminated, the Director will issue and publish a certificate canceling any claim of the patent finally determined to be unpatentable, confirming any claim of the patent determined to be patentable, and incorporating in the patent any proposed amended or new claim determined to be patentable.

35 U.S.C. § 307(a) (2006).

¹⁰ See, e.g., 37 C.F.R. § 1.121(c) (“All claims being currently amended [shall] be submitted with markings to indicate the changes that have been made relative to the immediate prior version of the claims. . . . [A]dded subject matter must be shown by underlining the added text. . . . [D]eleted matter must be shown by strike-through”); *id.* § 1.114(c) (distinguishing between prosecution arguments and amendments to the specification, claims, or drawings).

¹¹ See, e.g., 37 C.F.R. § 1.530(d) (“A proposed amendment in an *ex parte* or an *inter partes* reexamination proceeding is made by filing a paper directing that proposed specified changes be made to the patent specification, including the claims, or to the drawings.”).

cannot agree that a claim can be “amended” for purposes of § 307(b) without changing the claim language itself.

HemCon also expresses concern that excluding its concept of amendment by argument from the ambit of § 307(b) would “create a significant loophole” in the intervening rights defense—shrewd patentees would simply opt to rely on arguments rather than amendments to effectively change, and thereby preserve, otherwise invalid claims during reexamination without engendering intervening rights against those claims. Reply Br. for Defendant-Appellant at 25, 2011 WL 287045.

We believe that is highly unlikely. If, in reexamination, an examiner determines that particular claims are invalid and need amendment to be allowable, one would expect an examiner to require amendment rather than accept argument alone. Indeed, Congress may well have expected that changes in claim scope during reexamination would ordinarily be made by amendment, which would avoid the risk of creating a loophole in the intervening rights defense. Moreover, if an argument does suffice to overcome a rejection, it is probably because the claims at issue are not unallowable. Thus, the fear of gamesmanship does not persuade us to rule contrary to the plain meaning of the statute. Various amici have in fact pointed out that such gamesmanship concerns run both ways, suggesting that HemCon’s interpretation of § 307(b), if adopted, would invite putative infringers to initiate reexamination proceedings with marginal or non-invalidating prior art. Under HemCon’s rule, such a requestor could expect that, even if the reexamination ultimately confirms all claims as patentable without amendment, the patent owner will necessarily make substantive arguments in defending the claims, thereby allowing the requestor to allege intervening rights based on those arguments. In any event, we cannot and will not

speculate about possible consequences with respect to situations not before us and which we cannot foresee.

The dissent criticizes our discussion of HemCon's intervening rights defense at length, asserting that this important issue has been addressed only in dictum by the en banc court. However, because the original opinion dealt extensively with this issue, we must now decide the case as we find it and clarify the law.

Regarding the clause in § 307(b) restricting intervening rights to "amended or new" claims, the dissent relies heavily on analogy to other fields of law. While prior experience may at times be helpful in statutory interpretation, references to scattered permissive applications of the term "amended" to, *e.g.*, a product safety regulation and a private contract, are of limited utility in interpreting the specific patent statute before us. Clear statutory language and the long understanding of practitioners in a field trump interpretations from other fields. Furthermore, the dissent selectively quotes from amicus briefs arguing for a flexible interpretation of the intervening rights statute, but other amici argue for giving the statutory language its plain meaning. Clearly, nothing conclusive can be gleaned from the amicus briefs, but we, in addition to relying primarily on our own analysis, are more persuaded by those arguing for a faithful reading of the statutory text.

The dissent makes a brief attempt to call upon the Supreme Court to support its view, but the quoted language of the Court was that a specification "be substantially changed, either by the addition of new matter or the omission of important particulars, so as to enlarge the scope of the invention as originally claimed." *Russell v. Dodge*, 93 U.S. 460, 463–64 (1876). Such language does not control this case, which does not deal with the intro-

duction of new matter or the omission of important particulars so as to enlarge the scope of the invention as originally claimed. The claims remaining in the patent are the same as originally claimed.

In sum, the plain directive of the governing statute before us does not permit HemCon to invoke intervening rights against claims that the PTO confirmed on reexamination to be patentable as originally issued. To be sure, patent applicants' actions and arguments during prosecution, including prosecution in a reexamination proceeding, can affect the proper interpretation and effective scope of their claims. But in rejecting HemCon's request for intervening rights, we are not here interpreting claims. Rather, we are interpreting a statute that provides for intervening rights following reexamination only as to "amended or new" claims. The asserted claims of the '245 patent are neither.

CONCLUSION

Accordingly, the final judgment of the district court is *affirmed*.

AFFIRMED

United States Court of Appeals for the Federal Circuit

MARINE POLYMER TECHNOLOGIES, INC.,
Plaintiff-Appellee,

v.

HEMCON, INC.,
Defendant-Appellant.

2010-1548

Appeal from the United States District Court for the District of New Hampshire in case no. 06-CV-0100, Judge Joseph A. DiClerico, Jr.

DYK, *Circuit Judge*, dissenting in part, with whom GAJARSA, REYNA, and WALLACH, *Circuit Judges*, join in full, and with whom LINN, *Circuit Judge*, joins in parts I–II.

The court took this case en banc to address when absolute intervening rights arise under 35 U.S.C. § 307(b) during reexamination. In particular, the question is whether intervening rights accrue when the patentee limits the claim scope by argument rather than by formal amendment to the claim language.

Despite the importance of the issue of intervening rights, as evidenced by the amicus briefs filed by numer-

ous companies and organizations, the court did not seek further briefing and argument by the parties. This approach to an important issue is in my view difficult to justify. Now, remarkably, the court having affirmed the district court's judgment by an equally divided court, goes on to opine in dictum as to the issue of intervening rights even though that issue (as discussed below) has been resolved by the affirmance and also, in the majority's view, "is not properly before us on appeal." Maj. Op. at 20. This is an unusual and unfortunate approach to an important issue. This issue is likely to become even more important under the new Leahy-Smith America Invents Act ("AIA") because of the increased availability of reexamination. The majority's interpretation of the statute is both incorrect and certain to encourage improper strategic behavior by patent applicants. I dissent.

I

The starting point for an intervening rights determination is the meaning of the original claim language. The district court construed the key claim limitation ("biocompatible") of the original patent claims to require "polymers . . . with low variability, high purity, and *no detectable biological reactivity as determined by biocompatibility tests.*" *Marine Polymer Techs., Inc. v. HemCon, Inc.*, No. 06-cv-100-JD, 2008 WL 1995454, at *10 (D.N.H. May 6, 2008) (emphasis added). Contrary to Judge Lourie's opinion, it seems to me that the district court's construction was palpably incorrect and inconsistent with our established claim construction jurisprudence.

Some background is essential to an understanding of the claim construction issue. Marine Polymer asserted seven claims of U.S. Patent No. 6,864,245 ("the '245 patent"), directed to p-GlcNAc polymers, against Hem-Con. Independent claim 6 is representative and claims:

“A *biocompatible* [p-GlcNAc polymer] comprising up to about 150,000 N-acetylglucosamine monosaccharides covalently attached in a β -1 \rightarrow 4 conformation and having a molecular weight of up to about 30 million daltons in which at least one N-acetylglucosamine monosaccharide has been deacetylated.” ’245 Pat. col.72 ll.5-10 (emphasis added). Marine Polymer acknowledges that p-GlcNAc polymers had been disclosed in the prior art. The polymer also exists in nature in chitin, the chief organic structural component in the cell walls of fungi or algae and the protective shells of insects and crustaceans, but had been difficult to isolate with high purity and low variability. The ’245 patent purported to disclose for the first time a “biocompatible” polymer in a purified form, along with methods for its purification from microalgae. With sufficient purity, these polymers have a number of biomedical applications, including, inter alia, as a means for the rapid control of severe blood loss. A purified polymer provides “increased effectiveness, reduced toxicity and improved bioavailability” for its biomedical applications. *Id.* col.5 ll.3-4.

There are substantial questions as to whether the prior art disclosed the claimed invention. That depends in significant part on the construction of the term “biocompatible,” a term existing in each of the asserted claims. As noted above, the district court construed “biocompatible” p-GlcNAc to be limited to “polymers . . . with . . . *no detectable biological reactivity* as determined by biocompatibility tests.” *Marine Polymer*, 2008 WL 1995454, at *10 (emphasis added).

One might at the outset be somewhat skeptical of this construction because it was not proposed by either party and was indeed contrary to the patentee’s own proposed construction. In the district court, Marine Polymer conceded that “biocompatible p-GlcNAc” could exhibit some

biological reactivity, arguing that the term should be interpreted to mean “biomedically pure [p-GlcNAc] that reproducibly exhibits *acceptably low levels of adverse bioreactivity*, as determined by biocompatibility tests.” Claim Construction Order, *Marine Polymer Techs., Inc. v. HemCon, Inc.*, No. 06-cv-100-JD, slip. op. at 2 (D.N.H. May 6, 2008) (emphasis added). Similarly, it argued in its memorandum that its sample p-GlcNAc “showed acceptably low adverse reactions” to each of the biocompatibility tests and that this construction of “biocompatible p-GlcNAc” was “fully supported” by the claims and specification. Memorandum in Support of Plaintiff’s Claim Construction, *Marine Polymer Techs., Inc. v. HemCon, Inc.*, No. 06-cv-100-JD, at 7, 10-11 (D.N.H. Aug. 17, 2007), ECF No. 48-1.

Whether or not Marine Polymer’s own constructions are binding,¹ the district court’s construction is in fact contrary to the specification and to the claims themselves. The specification and claims are clear that “biocompatible” p-GlcNAc encompasses polymers that exhibit some biological reactivity. The specification “is the single best guide to the meaning of a disputed term,” *Phillips v. AWH Corp.*, 415 F.3d 1303, 1315 (Fed. Cir. 2005) (en banc), and may define a term explicitly or by implication, *Irdeto Access, Inc. v. Echostar Satellite Corp.*, 383 F.3d 1295, 1300 (Fed. Cir. 2004).

Here, the specification defines “biocompatible” in a manner directly contrary to the district court’s construction of “no detectable biological reactivity.” The specification first discusses the concept of biocompatibility in the

¹ See *Key Pharms. v. Hercon Labs. Corp.*, 161 F.3d 709, 715 (Fed. Cir. 1998) (“Ordinarily, doctrines of estoppel, waiver, invited error, or the like would prohibit a party from asserting as ‘error’ a position that it had advocated at the trial.”).

Detailed Description of the Invention, stating that “[t]he p-GlcNAc of the invention exhibits a high degree of biocompatibility.” ’245 Pat. col.10 ll.49-50. The specification does not provide at this point what constitutes an acceptably high degree of biocompatibility, but it discloses that “[b]iocompatibility may be determined by a variety of techniques, including, but not limited to such procedures as the elution test, intramuscular implantation, or intracutaneous or systemic injection into animal subjects.” *Id.* col.10 ll.50-53. Each of these four “biocompatibility tests” is later described in detail, including the particular materials, methods, and conditions to properly perform each test on a p-GlcNAc sample. The specification also discusses the results of each of the four tests, and specifically defines what constitutes “meet[ing]” the requirements of the particular “biocompatibility test.” *See id.* col.42 ll.42-43. Judge Lourie’s opinion itself concedes that the specification contemplates non-zero “passing” scores on the biocompatibility tests. *See Lourie Op.* at 11-12.

Notably, for each of the four tests, the specification does not require that there be no biological reactivity but provides that the test is satisfied where at least some reactivity is present. For example, with respect to the elution test, the specification states that “[t]he test article (i.e., p-GlcNAc) meets the biocompatibility test if none of the cultures treated with the test article show a *greater than mild reactivity*.” ’245 Pat. col.42 ll.41-43 (emphasis added). Likewise, the specification explains that the biocompatibility test using the other methods is met even if the polymer exhibits some biological reactivity. *See id.* col.43 ll.54-60, col.44 ll.25-26, col.45 ll.41-43. Nowhere does the specification disavow or disclaim from the scope of the claims polymers exhibiting these levels of reactivity. If a polymer exhibiting some reactivity nonetheless

meets the specification's explicit requirements for "biocompatibility," it cannot be that such polymer is not "biocompatible" within the meaning of the claims. Thus, the specification contemplates some level of reactivity that is compatible with use in biomedical applications.

If this description of biocompatibility in the specification were not enough, the presence of six independent claims in the original patent dictate that the "biocompatible" limitation allow some exhibition of reactivity. Six dependent claims in the original patent specifically required that the "biocompatible" p-GlcNAc have an elution test score of either one or two, which correspond to "slight" or "mild" reactivity respectively and is directly inconsistent with a construction requiring *no* reactivity. '245 Pat. col.42 ll.50-55. If "biocompatible" requires that there be no reactivity, but these dependent claims require slight or mild reactivity, they are nullified and become utterly meaningless. Marine Polymer itself concedes that these six claims were rendered meaningless by the district court's construction, and that "the dependent claims requiring non-zero elution test scores conflict with [the district court's] construction." Appellee's Br. 28.

Where a particular construction of an independent claim would nullify claims that depend from it, the doctrine of claim differentiation creates a presumption that such a construction is improper. See *Liebel-Flarsheim Co. v. Medrad, Inc.*, 358 F.3d 898, 910 (Fed. Cir. 2004). We adopt a construction of a term which renders claims invalid or meaningless when it is the "*only* claim construction that is consistent with the claim's language and the written description." *Rhine v. Casio, Inc.*, 183 F.3d 1342, 1345 (Fed. Cir. 1999) (emphasis added). In other words, this presumption can be overcome only where a contrary construction is "dictated"—i.e., compelled—by the written description or prosecution history. *Seachange*

Int'l, Inc. v. C-Cor, Inc., 413 F.3d 1361, 1369, 1370-72 (Fed. Cir. 2005) (holding that the presumption established by claim differentiation was rebutted because the written description “consistently” referred to the claim term in a specific manner and arguments made during prosecution amounted to a clear and unambiguous disclaimer of claim scope). Here, there is an alternate claim construction, one construing “biocompatible” to mean “little or no detectable reactivity,” which preserves the validity of these six dependent claims. Nothing in the written description or prosecution history overcomes the presumption by dictating or compelling the conclusion that “biocompatible” is limited to exhibiting “no detectable reactivity.”

In supporting the district court’s claim construction Judge Lourie’s opinion ignores or dismisses much of this compelling evidence. The opinion suggests that the examiner’s adoption of the district court’s construction supports the correctness of that construction. Lourie Op. at 12 n.5. Quite the contrary. During reexamination, Marine Polymer asked the examiner to adopt the district court’s construction of “biocompatible” in evaluating whether the claims were invalid as anticipated or obvious. The examiner, however, rejected the district court’s construction and held that the “biocompatibility” limitation was not limited to no reactivity but instead permitted “little or no detectable reactivity.” J.A. 39503. The examiner explained that this definition “avoids creating the situation where claims 4, 5, 13, 14, 21 and 22 would be improper for failing to further limit the claims from which they depend.” J.A. 39504. Only after these dependent claims were canceled to create consistency with the district court’s construction of “biocompatible” did the examiner accept the district court’s construction. The examiner explained that “[w]ith the cancellation of the claims which required that the elution test scores were 1

or 2, the Examiner now agrees with the court’s definition of the term biocompatible.” J.A. 39481.

Apart from its reliance on the examiner, Judge Lourie’s opinion rests its conclusion as to the correctness of the district court’s construction almost exclusively on the fact that there are two instances in the entire specification where it refers to the p-GlcNAc “of the invention.” See Lourie Op. at 10-12. These two references, however, do not limit the scope of the term “biocompatible.” With respect to the first, discussed above, the specification simply notes that the “p-GlcNAc of the invention exhibits *a high degree of biocompatibility.*” ’245 Pat. col.10 ll.49-50 (emphasis added). There is no indication in the specification that a high degree of biocompatibility is achieved only where there is *no* reactivity. The passage suggests the opposite. With respect to the second, the specification’s description of the p-GlcNAc “of the invention” was made in the context of a specific example—one of eighteen in the specification. Judge Lourie’s opinion leaves out highly pertinent language in quoting this portion of the specification. The specification explicitly states that

[i]n this Example, . . . the p-GlcNAc of the invention exhibits no detectable biological reactivity.

Id. col.41 ll.66-67 (emphasis added). Judge Lourie’s opinion leaves out the “in this Example” language. This reference does not suggest that the invention always “exhibits no detectable biological reactivity”; rather, that it does so “in this Example.”² The mere fact that the p-

² I also note that the p-GlcNAc tested in this example was produced through the “Mechanical Force” method described in the specification. ’245 Pat. col.42 ll.15-17. The specification, however, also discloses other methods for producing p-GlcNAc with different “characteristics and advantageous features.” See *id.* col.13 ll.46-67. There is no indication in the specification that p-GlcNAc produced

GlcNAc tested in this example in the specification showed no biological reactivity, without more, cannot be sufficient to limit the claim term “biocompatible” to polymers exhibiting no detectable biological reactivity.

The approach in Judge Lourie’s opinion of interpreting a claim limitation based solely on a single example from the specification is an approach we have repeatedly rejected. *See, e.g., Silicon Graphics, Inc. v. ATI Techs., Inc.*, 607 F.3d 784, 792 (Fed. Cir. 2010) (“A construing court’s reliance on the specification must not go so far as to import limitations into claims from examples or embodiments appearing only in a patent’s written description unless the specification makes clear that the patentee intends for the claims and the embodiments in the specification to be strictly coextensive.” (internal quotation marks omitted)); *Howmedica Osteonics Corp. v. Wright Med. Tech., Inc.*, 540 F.3d 1337, 1345 (Fed. Cir. 2008) (“[W]e have repeatedly held that the fact that the specification describes only a single embodiment, standing alone, is insufficient to limit otherwise broad claim language.”). We have “cautioned against limiting the claimed invention to preferred embodiments or specific examples in the specification.” *Tex. Instruments, Inc. v. U.S. Int’l Trade Comm’n*, 805 F.2d 1558, 1563 (Fed. Cir. 1986). Indeed, the “[v]aried use of a disputed term in the written description demonstrates the breadth of the term rather than providing a limited definition.” *Johnson Worldwide Assocs., Inc. v. Zebco Corp.*, 175 F.3d 985, 991 (Fed. Cir. 1999). This court has never, on such scant evidence as exists here, found that a single embodiment disclosed in a patent limited the scope of the claims.

pursuant to a different method would similarly not exhibit any biological reactivity.

Judge Lourie's new approach to claim construction would enable patentees to eliminate questions of validity by narrowing claims in accordance with a preferred embodiment or single example, while also allowing alleged infringers to narrow claims beyond their valid scope to avoid infringement. That approach cannot be correct.

II

Under the correct claim construction, ignoring for a moment the issue of intervening rights, HemCon at a minimum would be entitled to a new trial on all issues related to the validity of the original patent claims. The jury was specifically instructed under the incorrect claim construction and answered questions on the jury verdict form directly related to this construction. J.A. 111 (asking jury whether prior art discloses "having no detectable biological reactivity as determined by biocompatibility tests"). Moreover, after trial, the district court denied HemCon's motion for JMOL and/or a new trial on anticipation and obviousness because HemCon's expert's opinions about the prior art "were based on the wrong definition of biocompatibility," *Marine Polymer Techs., Inc. v. HemCon, Inc.*, No. 06-cv-100-JD, 2010 WL 2902258, at *3 (D.N.H. July 21, 2010), and because the disputed prior art "did not disclose p-GlcNAc with no detectable biological reactivity as determined by biocompatibility tests," *id.* at *4. *See also id.* at *8 ("[B]ecause none of the cited prior art disclosed the properties of biocompatible p-GlcNAc, as claimed by the '245 patent, the evidence at trial did not support findings for obviousness."). This reliance on this incorrect claim construction alone warrants a new trial on these issues, putting to one side the issue of intervening rights. HemCon should at a minimum be permitted to defend itself against claims of infringing the original patent by attacking its validity under a proper claim construction.

III

A

I turn then to the question of intervening rights. While the judgment of the district court is affirmed by an equally divided court, the district court rendered no judgment on the question of intervening rights, and therefore there is nothing to affirm in that respect. Nonetheless, I agree with Judge Lourie that the effect of the equally divided affirmance is that the district court's claim construction is binding on the parties as if the district court's decision had never been reviewed. *Durant v. Essex Co.*, 74 U.S. 107, 113 (1868) (holding that an affirmance by an equally divided court "is as conclusive and binding in every respect upon the parties as if rendered upon the concurrence of all the judges upon every question involved in the case").³ The result is that there can be no intervening rights. In other words, under the district court's incorrect claim construction, now binding on the parties as a result of the affirmance of the district court's judgment, the original and reexamined claims are identical in scope, and there is thus no issue of intervening rights and no need for the majority to offer "an alternative ground for decision." Remarkably, the majority goes on to legislate an interpretation of the intervening rights statute. This is, to say the least, an unusual approach. It is particularly odd because the majority thinks that the issue is not properly before us (even if the district court's claim construction was wrong) because the intervening rights issue was not addressed by the district court.

³ The claim construction is, of course, not precedential. *See, e.g., Neil v. Biggers*, 409 U.S. 188, 192 (1972).

In my view the issue is properly before us. Here, while the district court entered judgment on September 22, 2010, and HemCon filed its Notice of Appeal to this court on September 24, 2010, the examiner did not issue the Notice of Intent to Issue an Ex Parte Reexamination Certificate until November 3, 2010, well after the appeal to this court. The majority offers no reasons why we should not consider the changes to a patent effected by reexamination. Just as we are obligated to take account of intervening changes in law that affect an appeal, see *Bradley v. Sch. Bd. of City of Richmond*, 416 U.S. 696, 714-15 (1974); *Vandenbark v. Owens-Illinois Glass Co.*, 311 U.S. 538, 542-43 (1941), we are obligated to take account of changes to a patent that occur during the pendency of a case on appeal, see *Watts, Watts & Co. v. Unione Austriaca Di Navigazione*, 248 U.S. 9, 21 (1918) (holding that “court[s] must consider the changes in fact and in law which have supervened since the decree was entered below”). Ample authority, uncontradicted by the majority, supports the original panel’s approach of addressing the issue of intervening rights,⁴ and the majority

⁴ See *Hawkes v. Internal Revenue Serv.*, 467 F.2d 787, 793 (6th Cir. 1972) (“This Court is obligated to take notice of changes in fact or law occurring during the pendency of a case on appeal which would make a lower court’s decision, though perhaps correct at the time of its entry, operate to deny litigants substantial justice.”); see also *L.E.A. Dynatech Inc. v. Allina*, 49 F.3d 1527, 1531 (Fed. Cir. 1995) (explaining that an “appellate court will consider an issue not presented below” if it, inter alia, “involves a pure question of law and refusal to consider it would result” in an injustice or “the appellant had no opportunity to raise the objection at the district court level”); *Borlem S.A.–Empreedimentos Industriais v. United States*, 913 F.2d 933, 939 (Fed. Cir. 1990) (“[A] reviewing court is not precluded . . . from considering events which have occurred between the date of an agency

has offered no support for its position that a court cannot take judicial notice of changes that occur while the case is pending on appeal.

The majority, though believing that the issue is not properly before us and that the issue is resolved by the district court's claim construction, excuses its discussion of intervening rights by the fact that the original panel opinion "dealt extensively with this issue," and thus this court must "decide the case as we find it and clarify the law." Maj. Op. at 25. But the panel opinion has been vacated, and, if the issue is not in fact properly before us, and is unnecessary in any event, there is no possible reason for addressing it. If this were not enough, the Supreme Court has repeatedly counseled against writing opinions where a judgment has been affirmed by an equally divided court,⁵ a practice that the majority here disregards.

B

On the merits of the intervening rights issue, the majority is incorrect as a matter of statutory interpretation. Section 307(b) provides:

Any proposed *amended or new claim* determined to be patentable and incorporated into a patent following a reexamination proceeding *will have the same effect as that specified in section 252 of*

(or trial court) decision and the date of decision on appeal.”).

⁵ *Ohio ex rel. Eaton v. Price*, 364 U.S. 263, 264 (1960) (explaining that where a judgment is affirmed by an equally divided court, “the usual practice is not to express any opinion, for such an expression is unnecessary where nothing is settled”); *see also Etting v. Bank of United States*, 24 U.S. 59, 77-78 (1826); *The Antelope*, 23 U.S. 66, 126 (1825).

this title for reissued patents on the right of any person who made, purchased, or used within the United States, or imported into the United States, anything patented by such proposed amended or new claim, or who made substantial preparation for the same, prior to issuance of a certificate under the provisions of subsection (a) of this section.

35 U.S.C. § 307(b) (emphasis added). Section 307(b) thus specifically incorporates the intervening rights provisions of reissued patents found in section 252. Congress was explicit that section 307(b) should be interpreted to be identical in scope to section 252:

Subsection 307(b) provides intervening rights similar to those provided by patent law section 252 with respect to reissued patents. Thus, a person practicing a patented invention would not be considered an infringer for the period between issuance of an invalid patent and its conversion through reexamination to a valid patent.

H.R. Rep. No. 96-1307(I), at 8 (1980) (emphasis added).⁶ Thus, the “amended or new” language in

⁶ 35 U.S.C. § 252 provides, in relevant part:

The surrender of the original patent shall take effect upon the issue of the reissued patent, and every reissued patent shall have the same effect and operation in law, on the trial of actions for causes thereafter arising, as if the same had been originally granted in such amended form, but in so far as the claims of the original and reissued patents are *substantially identical*, such surrender shall not affect any action then pending nor abate any cause of action then existing, and the reissued patent, to the extent that its claims are *substantially identical* with the original patent, shall constitute a continuation thereof and have effect continuously from the date of the original patent.

section 307(b) was clearly intended to have the same meaning as “substantially identical” in section 252. The focus is on whether the old and new claims are “substantially identical.” In another case analyzing intervening rights related to a reexamined patent, this court explained:

A patentee of a reexamined patent is entitled to infringement damages, *inter alia*, for the period between the date of issuance of the original claims and the date of issuance of the reexamined claims if the original and reexamined claims are “identical.” *Reexamined claims are “identical” to their original counterparts if they are “without substantive change.”* Furthermore, in determining whether substantive changes have been made, we must discern whether the *scope* of the claims are identical, *not merely whether different words are used.*

Laitram Corp. v. NEC Corp., 163 F.3d 1342, 1346 (Fed. Cir. 1998) (internal citations omitted) (first and third emphases added).

Here, the original and new claims are not “substantially identical.” During reexamination the patentee

A reissued patent shall not abridge or affect the right of any person or that person's successors in business who, prior to the grant of a reissue, made, purchased, offered to sell, or used within the United States, or imported into the United States, anything patented by the reissued patent, to continue the use of, to offer to sell, or to sell to others to be used, offered for sale, or sold, the specific thing so made, purchased, offered for sale, used, or imported unless the making, using, offering for sale, or selling of such thing infringes a *valid claim of the reissued patent which was in the original patent.*

agreed, by both argument and by amending the claims to cancel six dependent claims, that the term “biocompatible” should be construed to mean “no detectable biological reactivity.” In doing so, as discussed above, the patentee adopted a construction that was different than the correct construction of the original claims, namely that “biocompatible” meant, inter alia, “little or no detectable reactivity.” The effect was to narrow the claims and protect them from a finding of invalidity.

As the majority recognizes, *see* Maj. Op. at 21-22, it is well established that statements during prosecution or reexamination of a patent, as well as additions or deletions of claims to overcome rejections, can change the meaning of a claim term that would ordinarily be construed otherwise. *See Am. Piledriving Equip., Inc. v. Geoquip, Inc.*, 637 F.3d 1324, 1336 (Fed. Cir. 2011); *CIAS, Inc. v. Alliance Gaming Corp.*, 504 F.3d 1356, 1362-63 (Fed. Cir. 2007); *C.R. Bard, Inc. v. U.S. Surgical Corp.*, 388 F.3d 858, 867-69 (Fed. Cir. 2004); *Cole v. Kimberly-Clark Corp.*, 102 F.3d 524, 532 (Fed. Cir. 1996). Here, although identical in language, the claims of the patent after reexamination were not identical in scope for purposes of intervening rights because they were “substantively changed” during reexamination.

The majority makes much of the difference in language between sections 307(b) and 252, pointing out that section 307(b) includes the language “amended or new claims.” The majority limits an “amended” claim under section 307(b) to a situation in which the claim language itself is changed. This interpretation ignores the statute’s language, its purpose, and the history of intervening rights.

Because the statute does not define “amended,” this term is “assumed to bear [its] ‘ordinary, contemporary,

common meaning.” *Walters v. Metro. Educ. Enters., Inc.*, 519 U.S. 202, 207 (1997) (quoting *Pioneer Inv. Servs. Co. v. Brunswick Assocs. Ltd. P’ship*, 507 U.S. 380, 388 (1993)). While “amend” may often connote an actual change in language,⁷ that is not the only meaning of the term “amend.”

There are a number of cases decided in similar contexts that make clear that a written document can be “amended” without a language change. For example, *National Knitwear Manufacturers Ass’n v. Consumer Product Safety Commission*, 666 F.2d 81 (4th Cir. 1981), is quite similar to this case. In *National Knitwear*, the Flammable Fabrics Act required the Consumer Product Safety Commission to comply with specific procedures, in addition to those under the Administrative Procedure Act, in order to issue “a *new or amended* flammability standard.” 15 U.S.C. § 1193 (1976) (emphasis added). The flammability standards for children’s sleepwear included a definition of “[c]hildren’s [s]leepwear” that specifically excluded “underwear.” 16 C.F.R. § 1615.1(a) (1980). Thereafter, the Commission issued a statement, without complying with the Act, indicating that “despite a garment’s being labeled as underwear and unsuitable for sleepwear, the Commission may bring an enforcement action if it believes that the garment is intended to be worn primarily for sleeping or that it has been promoted as sleepwear.” *Nat’l Knitwear*, 666 F.2d at 83. The Fourth Circuit held that the Act had been violated because, although the text of the flammability standards had not changed, “the Commission ha[d] in effect *amended* the standard despite the express exclusion of underwear from the definition of sleepwear.” *Id.* at 84

⁷ “Amend” is defined as “to change or alter in any way esp. in phraseology.” *Webster’s Third New International Dictionary* 57 (2000).

(emphasis added). Just as the standard in *National Knitwear* was “amended” by an agency statement, so here the claims have been “amended” by a disclaimer in the reexamination.

In many other contexts the word “amend” has been interpreted as not requiring an explicit language change. In the context of the Administrative Procedure Act, amending an interpretive rule can be considered “amending . . . a rule” under section 551(5), thus requiring notice and comment, even if there is no alteration in the language of the rule itself. *United States v. Magnesium Corp. of Am.*, 616 F.3d 1129, 1139 (10th Cir. 2010). As the Tenth Circuit has held, “if an agency amends its interpretation of a rule, it is effectively amending the rule itself.” *Id.* (internal quotation marks omitted); *see also Jerri’s Ceramic Arts, Inc. v. Consumer Prod. Safety Comm’n*, 874 F.2d 205, 206 (4th Cir. 1989) (finding that an agency “interpretation” was in fact a substantive “amendment” to the Small Parts Rule, and thus the agency violated the APA). Legal instruments can often be constructively or effectively amended without changing literal text. *See, e.g., Chamberlain Group, Inc. v. Skylink Techs., Inc.*, 381 F.3d 1178, 1189 (Fed. Cir. 2004) (“For the purpose of determining Federal Circuit jurisdiction, we do not differentiate between actual and constructive amendments [to the complaint].”); *see also, e.g., Battoni v. IBEW Local Union No. 102 Emp. Pension Plan*, 594 F.3d 230, 235 (3d Cir. 2010) (constructive amendment to pension plan); *United States v. Starr*, 533 F.3d 985, 997 (8th Cir. 2008) (constructive amendment to a criminal indictment); *S. Colo. MRI, Ltd. v. Med-Alliance, Inc.*, 166 F.3d 1094, 1099 (10th Cir. 1999) (“By expressing an intent to be bound on July 7, 1993, the parties implicitly . . . *amended* any prior [written] agreement that an asset purchase document was necessary to complete the con-

tract.”). A statute may also be amended without a change in language. *See United States ex rel. Palmer v. Lapp*, 244 F. 377 (6th Cir. 1917) (finding that an act independent and original in form, which in effect added a provision to an existing statute, was an “amendment” within the meaning of a reference in another act to that statute “and amendments thereto”). In general, an act that changes the substance of a statute without changing its language is commonly referred to as an “amendment by implication.” *See United States v. Welden*, 377 U.S. 95, 103 n.12 (1964); *Agri Processor Co. v. NLRB*, 514 F.3d 1, 4 (D.C. Cir. 2008). Thus, the plain language of the term “amended” does not require a language change.

The history of intervening rights provisions themselves compel an interpretation of “amended” that does not require a change in the language of the claims. The doctrine of intervening rights with respect to reissued patents existed as a judicial construct since the 1800s. *See generally* P.J. Federico, *Intervening Rights in Patent Reissues*, 30 Geo. Wash. L. Rev. 603 (1961). Section 252 in the Patent Act of 1952 substantially adopted and clarified the doctrine of intervening rights as it had been interpreted and developed by the courts. *See* H.R. Rep. No. 82-1923, at 8 (1952); *see also* Federico, *supra*, at 629-30. Courts for years have understood that the specification and the claims together act to define an invention. The Supreme Court recognized that the scope of patents could be changed by an amendment to the specification where there is no formal amendment to the claim. *See, e.g., Russell v. Dodge*, 93 U.S. 460, 463 (1876) (noting that a specification might “be substantially changed, either by the addition of new matter or the omission of important particulars, so as to enlarge the scope of the invention as originally claimed”).

The Supreme Court made clear that a change in the specification broadening the scope of the patent, just as a change to claim language, could lead to intervening rights. For example, in *Battin v. Taggart* the Court noted that

[w]hether the defect be *in the specifications* or in the claim . . . , the patentee may surrender his patent, and, by an amended specification or claim, cure the defect. . . . But *where the specification or claim is made so vaguely as to be inoperative and invalid*, yet an amendment may give to it validity, and protect the rights of the patentee against all subsequent infringements.

58 U.S. 74, 83 (1854) (emphasis added). Similarly, in a case where a patentee had amended the specification during reissue by, inter alia, inserting an additional figure, one court held that “[t]he law does not permit such an enlargement of the original specifications as will interfere with other inventors who have acquired intervening rights.” *Ficklen v. Baker*, 47 App. D.C. 587, 596 (D.C. Cir. 1918) (quoting *Manly v. Williams*, 37 App. D.C. 194, 201 (D.C. Cir. 1911)). Thus, prior to Congress enacting the intervening rights provisions of section 252, courts understood that not having a change in claim language was not indispensable to creating intervening rights, and that a change in the specification could also lead to intervening rights. Contrary to the majority’s assertion, I do not claim that these cases directly control this case. They do, however, make clear that the Supreme Court, in developing the doctrine of intervening rights, concluded that the scope of the claims could change without formal amendments and still require the recognition of intervening rights. There is no indication in the legislative history of section 252 that Congress intended to overrule the courts’ understanding on this point. See H.R. Rep. No. 82-

1923. As noted, section 307, added in 1980, was explicitly designed to provide “similar” intervening rights as those provided in section 252. *Id.* If a change in the language of the specification could result in an “amended” claim, it is difficult to see why a change in claim scope achieved by argument cannot also result in an amended claim.⁸

Most important, we must interpret “amended” to effectuate the intent of Congress in enacting the intervening rights provisions of the reexamination statutes. *See Reves v. Ernst & Young*, 494 U.S. 56, 62-63 (1990) (“Thus, the phrase ‘any note’ should not be interpreted to mean literally ‘any note,’ but must be understood against the backdrop of what Congress was attempting to accomplish in enacting the Securities Acts.”). If “amended” only refers to changes in the actual language of the claims, the

⁸ The majority is correct that section 307 contemplates that an amended claim will be identified as such in the reexamination certificate, but the failure of the PTO to identify an amended claim as such can hardly bind absent parties who had no opportunity to object to the PTO’s failure, especially given the “great principle of public policy . . . which forbids that the public interests should be prejudiced by the negligence of the officers or agents to whose care they are confided.” *Brock v. Pierce Cnty.*, 476 U.S. 253, 261 (1986) (quoting *United States v. Nashville, C. & St. L. R. Co.*, 118 U.S. 120, 125 (1886)). It is well established that an administrative agency’s failure to perform a prescribed administrative act is not a ground for ignoring the substance of the agency’s action. *See United States v. James Daniel Good Real Prop.*, 510 U.S. 43, 63 (1993) (“We have long recognized that many statutory requisitions intended for the guide of officers in the conduct of business devolved upon them . . . do not limit their power or render its exercise in disregard of the requisitions ineffectual.” (internal quotation marks omitted)); *Brock*, 476 U.S. at 261; *Timken U.S. Corp. v. United States*, 421 F.3d 1350, 1357 (Fed. Cir. 2005).

purpose of intervening rights will be plainly and directly thwarted.

It is initially important to understand that the majority agrees that claim scope can be changed by arguments made by the patentee during reexamination.⁹ In other words, the fundamental assumption of the majority is that even where argument in the reexamination proceeding changes the scope of the claim, there are no intervening rights unless there is a formal amendment to the claim. What the majority does not tell us—in large part because it chooses to address this issue in dictum without applying the rule to this case—is whether, when there is a change in claim scope without formal amendment, (1) the changed claim scope is retroactive to validate the patent as of its original issue date, or (2) the accused infringer can still challenge the validity of the patent during the pre-examination period.

Neither of these alternatives makes sense, and each directly contradicts the purpose of the statute, thus demonstrating the error in the majority’s statutory inter-

⁹ See Maj. Op. at 21-22 (“Whether or not Marine Polymer’s arguments to the examiner and cancellation of claims during reexamination *may have affected the remaining claims’ effective scope*, they did not ‘amend’ those claims for intervening rights purposes HemCon sidesteps this issue by emphasizing the *well-recognized principle that arguments made during prosecution can affect the ultimate meaning of a claim term—and thus the ‘scope’ of a claim* While it is true that *claims are properly interpreted to account for arguments and concessions made during prosecution*, HemCon’s conclusion that the claims asserted here were ‘amended’ for purposes of § 307(b) goes too far.” (emphasis added)); see also *Am. Piledriving Equip.*, 637 F.3d at 1336; *CIAS*, 504 F.3d at 1362; *C.R. Bard*, 388 F.3d at 867–69; *Cole*, 102 F.3d at 532.

pretation. The first alternative—retroactively validating the original patent by changing its scope—leads to an unfair and absurd result. As recognized by the majority, this is precisely the unfairness that led to the development of the doctrine of intervening rights in the first place. *See* Maj. Op. at 18 (“The doctrine of intervening rights first developed as courts recognized that permitting substantive changes to the scope of patent claims through post-issuance procedures left ‘the door . . . open for *gross injustice*’ where a third party, having already begun to make, use, or sell a given article, finds its previously lawful activities rendered newly infringing under a modified patent.” (quoting *Sontag Chain Stores Co. v. Nat’l Nut Co.*, 310 U.S. 281, 293-95 (1940) (emphasis added))). The intervening rights provisions make clear that the reexamined and changed claims are valid only for the future after reexamination. As noted in *Bloom Engineering Co. v. North American Manufacturing Co.*,

Sections 307 and 252 shield those who deem an adversely held patent to be invalid; if the patentee later cures the infirmity by reissue or reexamination, the making of substantive changes in the claims is treated as an irrebuttable presumption that the original claims were materially flawed. *Thus the statute relieves those who may have infringed the original claims from liability during the period before the claims are validated.*

129 F.3d 1247, 1249 (Fed. Cir. 1997) (emphasis added). The second alternative—creating a judicial version of intervening rights—is even more directly contrary to the statute. Congress having considered the doctrine of intervening rights cannot have intended that the judiciary would develop a poor man’s version of the doctrine to account for the statute’s inadequate coverage. This

strongly suggests that the statute should cover amendments by disclaimer.

Tellingly, the amici who support the court's interpretation of the statute recognize that formal amendments to claim language during the course of reexamination are unusual. *See* Amicus Br. of Soverain et al. at 10. Telling too they admit that formal amendments are now, and will be, avoided for the very purpose of avoiding the creation of intervening rights. *Id.* at 4 (arguing that patent owners often “follow a course of not seeking to amend their asserted claims, with the settled understanding that if they could avoid claim amendments, they could also avoid intervening rights”). In other words, applicants will amend claims by argument rather than formal methods for the very purpose of avoiding intervening rights.

This very problem has led numerous amici to oppose the majority's mechanical construction of the term “amend” and to recognize that the majority's interpretation of intervening rights will create the very opportunities for mischief and “foster gamesmanship” that the statute was designed to avoid. Amicus Br. of Geico et al. at 9-10 (“[U]nder such a rule, patentees will be reluctant to change the words of their claims during reexamination or reissue and, instead, badger examiners with arguments changing the meaning of the words in the claims.”); Amicus Br. of Hewlett-Packard Co. et al. at 11 (“Appellee's reading of the statute to exclude claims narrowed through disclaimer would lead to absurd results and discourage formal claim amendments in favor of prosecution history maneuvering.”). The majority's construction of the statute defeats the public notice function of the patent system by encouraging patentees to define the scope of the invention outside of the claims themselves, thus not apprising accused infringers of what is available to them.

Allowing patent owners to avoid creating intervening rights by amending claims by argument is an abuse of the reexamination process and undermines the purpose of intervening rights. Section 307(b) cannot be construed to sanction such abuses.

To be sure, not every argument during reexamination should give rise to intervening rights, but intervening rights should be available where an argument during reexamination rises to the level of a clear and unambiguous disclaimer or disavowal of the original, correct claim construction. Here, Marine Polymer clearly and unambiguously disclaimed the scope of its claim by effectively becoming its own lexicographer and presenting a specific, limiting definition of the term “biocompatible.”¹⁰ I respectfully dissent.

¹⁰ While absolute intervening rights should exist here as a matter of law, the issue of equitable intervening rights is a fact intensive one, involving numerous issues to be considered by the district court. Because the district court has not made any factual findings with respect to equitable intervening rights, this issue should be remanded to the district court for its consideration in the first instance, as the original panel ordered.