

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Regeneron Pharmaceuticals, Inc.,
Petitioner,

v.

Novartis Pharma AG,
Novartis Technology LLC,
Novartis Pharmaceuticals Corporation,
Patent Owner

Case IPR2020-01317
U.S. Patent No. 9,220,631

PETITIONER'S REPLY REGARDING 35 U.S.C. §§ 314(a), 325(d)

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EXHIBIT LIST

Exhibit	Description
Ex. 1001	U.S. Patent No. 9,220,631 (“the ’631 Patent”)
Ex. 1002	Prosecution File History of U.S. Patent No. 9,220,631
Ex. 1003	Declaration of Horst Koller under 37 C.F.R. § 1.68.
Ex. 1004	Curriculum Vitae of Horst Koller
Ex. 1005	Declaration of James Agalloco under 37 C.F.R. § 1.68.
Ex. 1006	Curriculum Vitae of James Agalloco
Ex. 1007	PCT Patent Publication No. WO 2011/006877 to Sigg <i>et al.</i> (“Sigg”)
Ex. 1008	PCT Patent Publication No. WO 2009/030976 to Boulange <i>et al.</i> (“Boulange”)
Ex. 1009	Internet Archive WayBack Machine, March 7, 2011 Record of Drugs.com, <i>Macugen Prescribing Information</i> , available at https://web.archive.org/web/20110307065238/http://www.drugs.com:80/pro/macugen.html (“Macugen [®] Label”)
Ex. 1010	<i>Certified English Translation of Bruno Reuter and Claudia Petersen. “Die Silikonisierung von Spritzen: Trends, Methoden, Analyseverfahren,” TechnoPharm 2, Nr. 4 (2012): 238-244. (“Reuter”)</i>
Ex. 1011	Bhavnes D. Shah & Bhupendra G. Prajapati, <i>Pre-Filled Syringes: A New Concept</i> , PHARMA BIO WORLD 51 (2009) (“Shah”)
Ex. 1012	Arno Fries, <i>Drug Delivery of Sensitive Biopharmaceuticals With Prefilled Syringes</i> , 9(5) DRUG DELIVERY TECH. 22 (2009) (“Fries”)
Ex. 1013	Thomas Schoenknecht, <i>Prefilled Syringes: Why New Developments Are Important In Injectable Delivery Today</i> , in PREFILLED SYRINGES INNOVATIONS THAT MEET THE GROWING DEMAND (OnDrugDelivery 2005) (“Schoenknecht”)

Exhibit	Description
Ex. 1014	U.S. Patent Publication No. 2012/0091026 to Chacornac <i>et al.</i> (“Chacornac”)
Ex. 1015	Sandeep Nema & John D. Ludwig, <i>Pharmaceutical Dosage Forms: Parenteral Medications, Volume 1: Formulation and Packaging</i> (3rd ed. 2010) (“Nema Vol. 1”)
Ex. 1016	Sandeep Nema & John D. Ludwig, <i>Pharmaceutical Dosage Forms: Parenteral Medications, Volume 2: Facility Design, Sterilization and Processing</i> (3rd ed. 2010) (“Nema Vol. 2”)
Ex. 1017	PCT Patent Publication No. WO 2007/035621 to Scypinski <i>et al.</i> (“Scypinski”)
Ex. 1018	U.S. Patent Publication No. 2003/0003014 to Metzner <i>et al.</i> (“Metzner”)
Ex. 1019	U.S. Pharmacopeia, <i>USP 789, Particulate Matter in Ophthalmic Solutions, USP 34 NF 29</i> (2011)
Ex. 1020	U.S. Patent Publication No. 2011/276005 to Hioki <i>et al.</i> (“Hioki”)
Ex. 1021	PCT Patent Publication No. WO 2007/149334 to Furfine <i>et al.</i> (“Furfine”)
Ex. 1022	Michael W. Stewart <i>et al.</i> , <i>Fresh From the Pipeline Aflibercept</i> , 11 NAT. REV. DRUG DISCOV. 269 (2012) (“Stewart”)
Ex. 1023	U.S. Patent No. 7,060,269 to Baca <i>et al.</i> (“Baca”)
Ex. 1024	Prosecution File History of U.S. Patent No. 7,060,269
Ex. 1025	Lu Liu <i>et al.</i> , <i>Silicone Oil Microdroplets and Protein Aggregates in Repackaged Bevacizumab and Ranibizumab: Effects of Long-term Storage and Product Mishandling</i> , 52(2) INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 1023 (2011) (“Liu”)
Ex. 1026	U.S. Patent No. 7,404,278 to Wittland <i>et al.</i> (“Wittland”)

Exhibit	Description
Ex. 1027	U.S. Food and Drug Administration, Lucentis® Highlights of the Prescribing Information, (June 2010) (“Lucentis® Label”)
Ex. 1028	International Organization for Standardization, <i>ISO 11040-4 Prefilled Syringes – Part 4: Glass Barrels for Injectables</i> (2nd ed. 2007) (“ISO 11040-4”)
Ex. 1029	PCT Patent Publication No. WO 2008/077155 to Lam <i>et al.</i> (“Lam”)
Ex. 1030	James A. Dixon, et al. "VEGF Trap-Eye for the treatment of neovascular age-related macular degeneration." <i>Expert opinion on investigational drugs</i> 18.10 (2009): 1573-1580. (“Dixon”)
Ex. 1031	Declaration of Dr. Szilard Kiss under 37 C.F.R. § 1.68.
Ex. 1032	Curriculum Vitae of Dr. Szilard Kiss
Ex. 1033	Declaration of James L. Mullins, Ph.D.
Ex. 1034	Dow Corning® 365 35% Dimethicone NF Emulsion – Frequently Asked Questions (2002) (“DC365 FAQ”)
Ex. 1035	European Patent Application No. 12174860 to Novartis AG
Ex. 1036	U.S. Food and Drug Administration, Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing—Current Good Manufacturing Practice (September 2004)
Ex. 1037	Affidavit of Internet Archive Office Manager
Ex. 1038	Internet Archive WayBack Machine, March 8, 2011 Record of Drugs.com, <i>Welcome to Drugs.com</i> , available at https://web.archive.org/web/20110308203650/http://www.drugs.com:80/
Ex. 1039	Internet Archive WayBack Machine, February 25, 2011 Record of Drugs.com, <i>FDA Professional Drug Information</i> , available at https://web.archive.org/web/20110225193929/http://www.drugs.com:80/pro/

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