UNITED STATES PATENT AND TRADEMARK OFFICE	CE
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BEFORE THE PATENT TRIAL AND APPEAL BOAR	D

REGENERON PHARMACEUTICALS, INC., Petitioner,

v.

NOVARTIS PHARMA AG, NOVARTIS TECHNOLOGY LLC, NOVARTIS PHARMACEUTICALS CORPORATION, Patent Owners.

> Case IPR2021-00816 Patent 9,220,631

PETITIONER'S REPLY TO PATENT OWNER'S PRELIMINARY RESPONSE



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PETITIONER'S EXHIBIT LIST

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	ITC Investigation No. 337-TA-1207, Staff's Pre-Hearing Brief (public version)
Ex. 1006	ITC Investigation No. 337-TA-1207, Complainant's Unopposed Motion to Terminate
Ex. 1007	PCT Patent Publication No. WO 2011/006877 to Sigg et al. ("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> , <i>available at</i> https://web.archive.org/web/20110307065238/http://www.drugs.com: 80/pro/macugen.html ("2008 Macugen Label")
Ex. 1010	ITC Investigation No. 337-TA-1207, Initial Determination Terminating the Investigation
Ex. 1011	Bhavnesh D. Shah & Bhupendra G. Prajapati, <i>Pre-Filled Syringes: A New Concept</i> , Pharma Bio World 51 (2009) ("Shah")
Ex. 1012	Arno Fries, Drug Delivery of Sensitive Biopharmaceuticals With Prefilled Syringes, 9(5) Drug Delivery Tech. 22 (2009) ("Fries")



Ex. 1013	Thomas Schoenknecht, <i>Prefilled Syringes: Why New Developments Are Important In Injectable Delivery Today, in Prefilled Syringes</i> INNOVATIONS THAT MEET THE GROWING DEMAND (OnDrugDelivery 2005) ("Schoenknecht")
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:</i> Parenteral Medications, Volume 1: Formulation and Packaging (3rd ed. 2010) ("Nema Vol. 1")
Ex. 1016	Sandeep Nema & John D. Ludwig, <i>Pharmaceutical Dosage Forms:</i> Parenteral Medications, Volume 2: Facility Design, Sterilization and Processing (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, USP 789, Particulate Matter in Ophthalmic Solutions, USP 34 NF 29 (2011)
Ex. 1020	U.S. Patent Publication No. 2011/276005 to Hioki et al. ("Hioki")
Ex. 1021	PCT Patent Publication No. WO 2007/149334 to Furfine <i>et al</i> . ("Furfine")
Ex. 1022	Michael W. Stewart et al., Fresh From the Pipeline Aflibercept, 11 NAT. REV. DRUG DISCOV. 269 (2012) ("Stewart")
Ex. 1023	U.S. Patent No. 7,060,269 to Baca et al. ("Baca")
Ex. 1024	Gerald McDonnel and Denver Russell, <i>Antiseptics and Disinfectants: Activities, Action, and Resistance</i> , Clinical Microbiology Review, (Jan. 1999) ("McDonnel").



Ex. 1025	Lu Liu et al., Silicone Oil Microdroplets and Protein Aggregates in Repackaged Bevacizumab and Ranibizumab: Effects of Long-term Storage and Product Mishandling, 52(2) INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 1023 (2011) ("Liu")
Ex. 1026	U.S. Patent No. 7,404,278 to Wittland et al. ("Wittland")
Ex. 1027	U.S. Food and Drug Administration, Lucentis® Highlights of the Prescribing Information, (June 2010) ("Lucentis Label")
Ex. 1028	International Organization for Standardization, ISO 11040-4 Prefilled Syringes – Part 4: Glass Barrels for Injectables (2nd ed. 2007) ("ISO 11040-4")
Ex. 1029	PCT Patent Publication No. WO 2008/077155 to Lam et al. ("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)



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