

UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE PATENT TRIAL AND APPEAL BOARD

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PROLLENIUM US INC.,  
Petitioner,

v.

ALLERGAN INDUSTRIE, SAS,  
Patent Owner.

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Case IPR2020-00084  
U.S. Patent 9,089,519

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**PATENT OWNER ALLERGAN INDUSTRIE, SAS'S  
UPDATED EXHIBIT LIST**

**EXHIBITS**

<b>Exhibit No.</b>	<b>Exhibit Description</b>
2001	Juvéderm Ultra™ XC Label
2002	Juvéderm Ultra Plus™ XC Label
2003	Juvéderm Voluma®XC Label
2004	U.S. Patent Publication No. 2004/0101959 to Marko et al, published May 27, 2004
2005	Excerpts from U.S. 8,822,676 file history
2006	Excerpts from U.S. 9,089,519 file history
2007	About Juvéderm Ultra Plus™ XC
2008	About Juvéderm Volbella® XC
2009	About Juvéderm Voluma® XC
2010	Reserved
2011	Declaration in support of unopposed motion for <i>pro hac vice</i> admission of Elizabeth Flanagan
2012	Updated Declaration in support of unopposed motion for <i>pro hac vice</i> admission of Elizabeth Flanagan
2013	Declaration of Cory J. Berkland, Ph.D
2014	Curriculum Vitae, Cory J. Berkland, Ph.D.
2015	Kuo, Practical Aspects of Hyaluronan Based Medical Products, Chs. 1-6, 2006. (“Kuo”)
2016	Hascall and Laurent, <i>Hyaluronan: Structure and Physical Properties</i> , Hyaluronan Today, Vol. 1, 1997, <a href="https://www.glycoforum.gr.jp/article/01A2.html">https://www.glycoforum.gr.jp/article/01A2.html</a> . (“Hascall”)
2017	Cleland, et al., <i>Polyelectrolyte Properties of Sodium Hyaluronate. 2. Potentiometric Titration of Hyalyuronic Acid</i> , Macromolecules Vol. 15, 1982; 386-395. (“Cleland”)

Exhibit No.	Exhibit Description
2018	Knill, et al., <i>Effect of Metal Ions on the Rheological Flow Profiles of Hyaluronate Solutions</i> , Kennedy Ch. 21, Hyaluronan, 2002; 175-180. (“Knill”)
2019	Kablik, et al., <i>Comparative Physical Properties of Hyaluronic Acid Dermal Fillers</i> , Dermatologic Surgery, Vol. 35, 2009; 302-312. (“Kablik”)
2020	Reserved
2021	Lapcik, et al., <i>Hyaluronan: Preparation, Structure, Properties, and Applications</i> , Chemical Reviews, Vol. 98, No. 8, 1998; 2664-2684. (“Lapcik”)
2022	Kubota and Shimoda, <i>Macromolecular Complexes of Chitosan</i> , Dumitriu Ch. 29, Polysaccharides Structural Diversity and Functional Versatility, 2nd Ed., 2005; 679-706. (“Kubota”)
2023	Matsumoto, et al., <i>Reducing the Discomfort of Lidocaine Administration through pH Buffering</i> , Journal of Vascular and Interventional Radiology, Vol. 5, No. 1, 1994; 171-175. (“Matsumoto”)
2024	International Publication No. WO 2005/112888 (Wang).
2025	Reserved
2026	Bajpai and Giri, <i>Swelling Dynamics of A Macromolecular Hydrophilic Network and Evaluation of Its Potential For Controlled Release of Agrochemicals</i> , Reactive & Functional Polymers, Vol. 53, 2002; 125-141. (“Bajpai”)
2027	Ghosh, et al., <i>Rheological Characterization of in Situ Cross-Linkable Hyaluronan Hydrogels</i> , Biomacromolecules, Vol. 6, 2005; 2857-2865. (“Ghosh”)
2028	Leach and Schmidt, <i>Hyaluronan</i> ; Encyclopedia of Biomaterials and Biomedical Engineering, 2004; 779-789. (“Leach”)
2029	Wik, <i>Rheology of Hyaluronan Products</i> , Kennedy Ch. 24, Hyaluronan, 2002; 201-204. (“Wik”)

Exhibit No.	Exhibit Description
2030	Scott and Heatley, <i>Biological Properties of Hyaluronan are Controlled and Sequestered by Tertiary Structures</i> , Kennedy Ch. 15, Hyaluronan, 2002; 117-122. (“Scott”)
2031	Mo, et al., <i>Effects of Sodium Chloride, Guanidine Hydrochloride, and Sucrose on the Viscoelastic Properties of Sodium Hyaluronate Solutions</i> , Biopolymers, Vol. 50, 1999; 23-34. (“Mo”)
2032	Lefebvre and Doublier, <i>Rheological Behavior of Polysaccharides Aqueous Systems</i> , Dumitriu Ch. 13, Polysaccharides Structural Diversity and Functional Versatility, 2nd Ed., 2005; 357-394. (“Lefebvre”)
2033	Hoefling, et al., <i>Rheological Creep Experiments Utilizing Mixtures of 1% Hylan A Solution and 0.5% Hylan B Gel Slurry</i> , Kennedy Ch. 23, Hyaluronan, 2002; 195-200. (“Hoefling”)
2034	Forbes, et al., <i>Bailey &amp; Scott’s Diagnostic Microbiology</i> , 10th Ed., 1998; 1-6. (“Bailey”)
2035	Ege, <i>Organic Chemistry Structure and Reactivity</i> , 3rd Ed., 1994; 530. (“Ege”)
2036	Inoue and Nagasawa, <i>Preparation, by Chemical Degradation of Hyaluronic Acid, of a Series of Even- and Odd-Numbered Oligosaccharides Having A 2-Acetamido-2-Deoxy-D-Glucose and A D-Glucuronic Acid Residue, Respectively, at the Reducing End</i> , Carbohydrate Research, Vol. 141, 1985; 99-110. (“Inoue”)
2037	Tokita and Okamoto, <i>Degradation of Hyaluronic Acid-Kinetic Study and Thermodynamics</i> , European Polymer Journal, Vol. 32, No. 8, 1996; 1011-1014. (“Tokita 1996”)
2038	Tokita and Okamoto, <i>Hydrolytic Degradation of Hyaluronic Acid</i> , Polymer Degradation and Stability, Vol. 48, 1995; 269-273. (“Tokita 1995”)
2039	Tømmeraas and Melander, <i>Kinetics of Hyaluronan Hydrolysis in Acidic Solution at Various pH Values</i> , Biomacromolecules, Vol. 9, 2008; 1535-1540. (“Tømmeraas”)

Exhibit No.	Exhibit Description
2040	Lowry and Beavers, <i>Thermal Stability of Sodium Hyaluronate in Aqueous Solution</i> , Journal of Biomedical Materials Research, Vol. 28, 1994; 1239-1244. (“Lowry”)
2041	Bothner, et al., <i>Limiting Viscosity Number and Weight Average Molecular Weight of Hyaluronate Samples Produced by Heat Degradation</i> , International Journal of Biological Macromolecules, Vol. 10, 1988; 287-291. (“Bothner”)
2042	Powell, <i>Stability of Lidocaine in Aqueous Solution: Effect of Temperature, pH, Buffer, and Metal Ions on Amide Hydrolysis</i> , Pharmaceutical Research, Vol. 4, No. 1, 1987; 42-45. (“Powell”)
2043	<i>The Merck Index, An Encyclopedia of Chemicals, Drugs, and Biologicals</i> , 12th Ed., 1996; 936-937. (“1996 Merck Index: Lidocaine”)
2044	Bromage, <i>A Comparison of the Hydrochloride and Carbon Dioxide Salts of Lidocaine and Prilocaine in Epidural Analgesia</i> , Acta Anaesthesiologica Scandinavica, Supplementum XVI, 1965; 55-69. (“Bromage”)
2045	U.S. Patent No. 4,582,865 (Balazs).
2046	U.S. Patent Publication No. 2006/0122147 (Wohlrab).
2047	Barbucci et al., <i>Hyaluronic Acid Hydrogel in the Treatment of Osteoarthritis</i> , Biomaterials, Vol. 23, 2002; 4503-4513. (“Barbucci”)
2048	Reserved
2049	Brandt and Cazzaniga, <i>Hyaluronic Acid Fillers: Restylane and Perlane</i> , Facial Plastic Surgery Clinics of North America, Vol. 15, 2007; 63-76. (“Brandt”)
2050	Declaration of Amelia E. Murray.
2051	Zhao, et al., <i>Synthesis and Characterization of A Novel Double Crosslinked Hyaluronan Hydrogel</i> , Journal of Materials Science: Materials in Medicine, Vol. 13, 2002; 11-16. (“Zhao”)

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