UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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REVELYST SALES LLC
Petitioner

v.

BRAINGUARD TECHNOLOGIES INC.
Patent Owner

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IPR2025-01029
U.S. Patent No. 8,863,319

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**PETITIONER'S UPDATED EXHIBIT LIST**

## TABLE OF EXHIBITS

| Exhibit | Description |
|---|---|
| 1001 | U.S. Patent No. 8,863,319 (USP319) |
| 1002 | Declaration of Dr. Stefan Duma |
| 1003 | Prosecution History for U.S. Patent No. 8,863,319 (Knight-319-FH) |
| 1004 | U.S. Patent Pub. 2012/0198604 (Weber) |
| 1005 | Int'l Patent App. Pub. No. WO 2001/045526 (VonHolst) |
| 1006 | Int'l Patent App. Pub. No. WO 2011/139224 (Halldin) |
| 1007 | U.S. Patent Application Publication No. 2013/0122256 (Kleiven) |
| 1008 | Reserved |
| 1009 | U.S. Patent Application Publication No. 2004/0250340 (Piper) |
| 1010 | U.S. Patent Application Publication No. 2006/0059606 (Ferrara-2006) |
| 1011 | U.S. Patent No. 6,996,856 (Puchalski) |
| 1012 | U.S. Patent No. 10,238,162 (Knight-162) |
| 1013 | Prosecution History for U.S. Patent No. 10,238,162 (Knight-162-FH) |
| 1014 | U.S. Provisional Application No, 61/462914 (WeberProv) |
| 1015 | U.S. Provisional Application No. 61/333817 (HalldinProv) |

| Exhibit | Description |
|---|---|
| 1016 | U.S. Patent Application Publication No. 2008/0066217 (Depreitere) |
| 1017 | U.S. Patent No. 3,872,511 (Nichols) |
| 1018 | U.S. Patent Application No 2007/0190293 (Ferrara-2007) |
| 1019 | U.S. Patent Application No. 2007/0068755 (Hawkins) |
| 1020 | Int'l Patent App. Pub. WO 2008/046196 (Cripton) |
| 1021 | Pons-Poblet, *The Vierendeel Truss: Past And Present Of An Innovative Typology*, 15 Arquitetura Revista 193 (2019) (Pons-Poblet) |
| 1022 | M. Kis et al, Rotational Acceleration Measurements –Evaluating Helmet Protection, Can. J. Neurol. Sci. Vol 31, pp: 499-503 (2004) (Kis-2004) |
| 1023 | Int'l Patent App. Pub. No. WO 1996/014768 (Phillips) |
| 1024 | U.S. Patent Application Publication No. 2001/0032351 (Nakayama) |
| 1025 | Newman, Modern Sports Helmet – Their History, Science, and Art (2007) (Newman) |
| 1026 | Kleiven, A Parametric Study of Energy Absorbing Foams For Head Injury Prevention, Royal Institute of Technology, Paper Number 07-0385 (Kleiven-2007) |

| Exhibit | Description |
|---|---|
| 1027 | Reserved |
| 1028 | Aare, A New Laboratory Rig for Evaluating Helmets Subject to Oblique Impacts, Traffic Injury Prevention, 4:240–248, (2003) (Aare-2003) |
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| 1031 | Bosch, Crash helmet testing and design specifications, Eindhoven University of Technology, 2006 (Bosch) |
| 1032 | Mills & Gilchrist, Bicycle Helmet Design, Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, Vol. 220, No. 4, p. 167 (2006) (Mills-2006) |
| 1033 | Smith, Diffuse Axonal Injury in Head Trauma, J Head Trauma Rehab., Vol. 18, No. 4, pp. 307–316, 2003 (Smith-2003) |
| 1034 | Jans, Bike Helmet Anatomy, https://www.jans.com/anatomy-of-a-bike-helmet?srsltid=AfmBOooriodHXEC54CbWtD0foK5WSXu8-gN0vaAh1lq96kCKdGHJ68FJ (Jans) |
| 1035 | Reserved |

| Exhibit | Description |
|---|---|
| 1036 | International Polymer Solutions Inc., Polycarbonate, https://www.ipolymer.com/pdf/Polycarbonate.pdf (Intl-Polymer-Solutions) |
| 1037 | Universal Foam Products, Physical Properties of Expanded Polystyrene, https://univfoam.com/wp-content/uploads/2015/07/EPS-Data-Sheet.pdf (Universal-Foam-Products) |
| 1038 | Duma, *Analysis of Real-time Head Accelerations in Collegiate Football Players*, 15 Clin. J. Sports Med. 3 (2005) (Duma-2005) |
| 1039 | Ommaya, *Chapter 13: Biomechanics of Head Injury: Experimental Aspects, in* The Biomechanics of Trauma 245 (1985) (Ommaya-1985) |
| 1040 | Viano, *Injury Biomechanics Research: An Essential Element in the Prevention of Trauma*, 22 J. Biomechanics 403 (1989) (Viano-1989) |
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| 1045 | Reserved |
| 1046 | Reserved |
| 1047 | U.S. Patent Application Publication No. 2004/0117896 (Madey) |
| 1048 | Reserved |
| 1049 | EPSOLE, *What Is EPS Material: The Complete Guide to EPS Material* (April 15, 2024), https://epsole.com/what-is-eps-material/ (Epsole) |
| 1050 | Reserved |
| 1051 | Notice of Petitioner's *Sotera* Stipulation |