

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Valeo North America, Inc., Valeo S.A., Valeo GmbH,
Valeo Schalter und Sensoren GmbH,
and Connaught Electronics Ltd.
Petitioners

v.

Magna Electronics, Inc.
Patent Owner

U.S. Patent No. 8,643,724
IPR2015-_____

Mail Stop PATENT BOARD
Patent Trial and Appeal Board
United States Patent and Trademark Office
Madison Building (East)
600 Dulany Street
Alexandria, VA 22313

PETITION FOR *INTER PARTES* REVIEW U.S. PATENT NO. 8,643,724

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EXHIBIT LIST

- Ex. 1001 U.S. Pat. No. 8,643,724 to Schofield.
- Ex. 1002 Japanese Publication No. JP H7-30149 assigned to Masatoshi Yamamoto
- Ex. 1003 Certified English Translation of Japanese Publication No. JP H7-30149 assigned to Masatoshi Yamamoto (“Yamamoto”)
- Ex. 1004 Japanese Publication No. H2-117935 assigned to Mitsubishi Motors Corporation
- Ex. 1005 Certified English Translation of Japanese Publication No. H2-117935 assigned to Mitsubishi Motors Corporation (“Mitsubishi”)
- Ex. 1006 U.S. Pat. No. 6,553,130 to Lemelson (“Lemelson”).
- Ex. 1007 Japanese Publication No. JPA64-14700 assigned to Aishin Warner Kabushiki-Kaisha.
- Ex. 1008 Certified English Translation of Japanese Publication No. JPA64-14700 assigned to Aishin Warner Kabushiki-Kaisha (“Aishin”).
- Ex. 1009 Wang, G., et al. "CMOS Video Cameras", IEEE, 1991, dated May 27-31, 1991 (“Wang”).
- Ex. 1010 Great Britain Patent No. GB 2233530 assigned to Fuji Jukogyo Kabushiki Kaisha (“Fuji”).
- Ex. 1011 Japanese Publication No. H2-36417 assigned to Niles Co., Ltd.
- Ex. 1012 Certified English Translation of Japanese Publication No. H2-36417 assigned to Niles Co., Ltd. (“Niles”)
- Ex. 1013 U.S. Patent No. 4,963,788 to King (“King”).
- Ex. 1014 U.S. Patent No. 4,966,441 to Conner (“Conner”).
- Ex. 1015 U.S. Patent No. 5,793,420 to Schmidt (“Schmidt”).
- Ex. 1016 SAE Paper No. 871288 to Otsuka (“Otsuka”).

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- Ex. 1017 U.S. Patent No. 4,833,534 to Paff (“Paff”).
- Ex. 1018 U.S. Patent No. 4,390,895 to Sato (“Sato”).
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- Ex. 1020 Expert Declaration of Dr. George Wolberg
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- Ex. 1022 Expert Declaration of Dr. Ralph Wilhelm
- Ex. 1023 Dr. Ralph V. Wilhelm Curriculum Vitae
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- Ex. 1026 Lisa Gottesfeld Brown, A Survey of Image Registration Techniques, vol. 24, ACM Computing Surveys, pp. 325-376, 1992.
- Ex. 1027 George Wolberg, Digital Image Warping, IEEE Computer Society Press, 1990.
- Ex. 1028 N. Greene et al., Creating Raster Omnimax Images from Multiple Perspective Views Using the Elliptical Weighted Average Filter, IEEE Computer Graphics and Applications, vol. 6, no. 6, pp. 21-27, June 1986.
- Ex. 1029 Richard Szeliski, Image Mosaicing for Tele-Reality Applications, DEC Cambridge Research Laboratory, CRL 94/2, May 1994.
- Ex. 1030 G. Wolberg, “A Two-Pass Mesh Warping Implementation of Morphing,” Dr. Dobb’s Journal, no. 202, July 1993.
- Ex. 1031 T. Porter and T. Duff, “Compositing Digital Images,” *Computer Graphics* (Proc. Siggraph), vol. 18, no. 3, pp. 253-259, July 1984.

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- Ex. 1032 SAE Paper No. 750364 to Nolan
- Ex. 1033 SAE Paper No. 890282 to Corsi
- Ex. 1034 SAE Paper No. 890283 to Brandt
- Ex. 1035 SAE Paper No. 860173 to Ortega
- Ex. 1036 SAE Paper No. 930456 to Gumkowski
- Ex. 1037 U.S. Patent No. 6,693,524 to Payne
- Ex. 1038 SAE Paper No. 770274 to Smith
- Ex. 1039 Declaration of Gerard Grenier in Support of IEEE publication Wang, G., et al “CMOS Video Cameras”
- Ex. 1040 Tremblay, M., et al. High resolution smart image sensor with integrated parallel analog processing for multiresolution edge extraction, *Robotics and Autonomous Systems* 11 (1993), pp. 231-242.
- Ex. 1041 Abstract for the Publication of High Resolution Smart Image Sensor
- Ex. 1042 Lu, M., et al. On-chip Automatic Exposure Control Technique, *Solid-State Circuits Conference, 1991. ESSCIRC '91. Proceedings – Seventeenth European (Volume:1)*
- Ex. 1043 IEEE.org Abstract On-chip Automatic Exposure Control Technique
- Ex. 1044 CMOS sensor page of University of Edinburgh

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