

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the *Inter Partes* Review of:

Trial Number: To Be Assigned

U.S. Patent No. 7,006,636

Panel: To Be Assigned

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Assignee: Avago Technologies General IP
(Singapore) Pte. Ltd.

Title: Coherence-Based Audio Coding
And Synthesis

Mail Stop *Inter Partes* Review
Commission for Patents
P.O. Box 1450
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PETITION FOR *INTER PARTES* REVIEW UNDER 37 C.F.R. § 42.100

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EXHIBITS

| Exhibit No. | Description |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1001 | U.S. Patent No. 7,006,636 to Baumgarte et al. (“the ‘636 Patent”) |
| 1002 | Prosecution History of the ‘636 Patent |
| 1003 | Declaration of Dr. Michael Scordilis (“Dec.”) |
| 1004 | Curriculum Vitae of Dr. Michael Scordilis |
| 1005 | International Publication No. WO99/04498 to Davis et al. (“Davis”) |
| 1006 | International Publication No. WO01/62045 to Pedersen (“Pedersen”) |
| 1007 | U.S. Patent No. 6,016,473 to Dolby (“Dolby”) |
| 1008 | U.S. Publication No. 20030035553 to Baumgarte et al. (“Baumgarte”) |
| 1009 | G. Cauwenberghs, “Monaural Separation of Independent Acoustical Components,” Proceedings of the 1999 IEEE International Symposium on Circuits and Systems, Orlando, FL, vol. 5, pp. 62-65 (1999) (“Cauwenberghs”) |
| 1010 | M. Omologo & P. Svaizer, “Use of the Crosspower-Spectrum Phase in Acoustic Event Location,” IEEE Transactions on Speech & Audio Processing, vol. 5, n. 3, pp. 288-292 (1997) (“Omologo”) |

Petitioners request inter partes review (“IPR”) of Claims 1, 6, 9, 23-24, and 30-31 of U.S. Patent No. 7,006,636 (“the ‘636 Patent”), attached hereto as Exhibit 1001.

I. MANDATORY NOTICES UNDER 37 C.F.R. § 42.8(a)(1)

A. Real Party-In-Interest Under 37 C.F.R. § 42.8(b)(1)

Amazon.com, Inc. and Amazon Web Services, Inc. (collectively “Amazon”) identify the following real parties-in-interest in addition to Amazon.com, Inc. and Amazon Web Services, Inc.: Amazon Digital Services LLC, AWSHC, Inc., and Amazon Fulfillment Services, Inc.

B. Related Matters Under 37 C.F.R. § 42.8(b)(2)

Broadcom Corp. and Avago Technologies General IP (Singapore) Pte. Ltd. (collectively “Broadcom”) asserted the ‘636 Patent in *Broadcom Corp. et al. v. Amazon.com, Inc., et al.*, Case No. 8:16-cv-01774-JVS-JCG (C.D. Cal.). That case remains pending and may affect, or be affected by, decisions in this proceeding.

The ‘636 Patent is also asserted against entities unrelated to Amazon in *Broadcom Corp. et al. v. Sony Corp., et al.*, Case No. 8:16-cv-01052 (C.D. Cal.).

C. Lead and Back-Up Counsel and Service Information Under 37 C.F.R. § 42.8(b)(3) and (4)

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