

Petition for *inter partes* review
U.S. Pat. No. 5,591,678

Paper No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Sony Corporation

Petitioner

v.

Raytheon Company
(record) Patent Owner

Patent No. 5,591,678

**PETITION FOR INTER PARTES REVIEW
UNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R. § 42.100 ET. SEQ.**

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TABLE OF EXHIBITS

Exhibit No.	Description
1001	U.S. Patent No. 5,591,678 (“the ’678 patent”).
1002	Declaration of Dr. Blanchard.
1003	Hamaguchi, <i>et al.</i> “Novel SOI Technology Using Preferential Polishing”, NEC Research Notes 1480 (70), 1987.
1004	Certified Translation of Hamaguchi.
1005	Japanese Unexamined Patent Application Publication No. 64-18248, published January 23, 1989 (“Morimoto”).
1006	Certified translation of Morimoto.
1007	U.S. Pat. No. 5,244,534 (“Yu”).
1008	U.S. Pat. No. 4,910,155 (“Cote”).
1009	U.S. Pat. No. 5,064,683 (“Poon”).
1010	U.S. Pat. No. 5,069,002 (“Sandhu”).
1011	U.S. Pat. No. 5,189,500 (“Kusunoki”).
1012	U.S. Pat. No. 5,066,993 (“Miura”).
1013	U.S. Pat. No. 5,080,730 (“Wittkower”).
1014	U.S. Pat. No. 4,681,718 (“Oldham”).
1015	Excerpt from <i>Dictionary of Electronics</i> , Harper-Collins, 2004 (p. 152).
1016	U.S. Pat. No. 4,982,266 (“Ying”).
1017	U.S. Pat. No. 5,202,754 (“Bertin”).
1018	U.S. Pat. App. Ser. No. 07/760,041 (“Bertin App.”), filed Sept. 13, 1991.
1019	U.S. Pat. App. Ser. No. 08/006,120, Amendment of June 16, 1994.
1020	Independent claim comparison for the ’678 patent.
1021	U.S. Pat. App. Ser. No. 08/006,120 (application with claims).

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NOTICE OF THE REAL-PARTIES-IN-INTEREST

The real-parties-in-interest for this petition are Sony Corporation, Sony Corporation of America, Sony Semiconductor Corporation, Sony EMCS Corporation, Sony Electronics, Inc., Sony Mobile Communications, Inc., Sony Mobile Communications AB and Sony Mobile Communications (USA), Inc.

NOTICE OF RELATED MATTERS

The '678 patent has been asserted in the cases styled *Raytheon Company v. Sony Corporation, et al.*, C.A. No. 2:15-cv-342, (E.D. Tex.) and *Raytheon Company v. Samsung Electronics Co., Ltd. et al.*, C.A. No. 2-15-cv-00341 (E.D. Tex.). Both cases were filed March 6, 2015 and remain pending.

NOTICE OF SERVICE INFORMATION

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