

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SONY CORPORATION

Petitioner

Patent No. 7,477,284

Issue Date: Jan. 13, 2009

Title: SYSTEM AND METHOD FOR CAPTURING AND VIEWING
STEREOSCOPIC PANORAMIC IMAGES

PETITION FOR *INTER PARTES* REVIEW

OF U.S. PATENT NO. 7,477,284

No. IPR2013-00219

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I. Mandatory Notices (37 C.F.R. § 42.8)

Real Party-in-Interest: Sony Corporation (“Sony” or “Petitioner”), Sony Electronics Inc., Sony Corporation of America, Sony Mobile Communications AB, and Sony Mobile Communications (USA) Inc. are the real parties-in-interest.

Related Matters: The following matter would affect or be affected by the decision in this proceeding: *HumanEyes Technologies Ltd. v. Sony Electronics Inc. et al.*, 1-12-CV-00398 (D.Del.).

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II. Grounds for Standing (37 C.F.R. § 42.104(a))

Petitioner certifies that the patent for which review is sought, U.S. Patent No. 7,477,284 (the “284 Patent,” Sony-1001) is available for *inter partes* review and that the Petitioner is not barred or estopped from requesting an *inter partes* review challenging the patent claims on the grounds identified in this petition.

III. Identification of Challenge (37 C.F.R. § 42.104(b)(1)-(3)) and Relief Requested (37 C.F.R. § 42.22(a)(1))

Petitioner challenges claims 1, 2, 3, 10, 20, 27, 28, 29, 36, and 37 of the ’284 Patent, and cancelation of those claims is requested.

A. Background of the '284 Patent

The '284 Patent states that “the invention provides an arrangement for recording images for use in generating and utilizing images comprising a stereoscopic image set.” '284 Patent, 2:22-24. A “stereoscopic image set” comprises at least two images of a scene recorded from slightly displaced positions. *Id.* 1:47-53. A “stereoscopic data source records images from which a stereoscopic image set can be generated.” *Id.* 2:26-28. The stereoscopic image set can consist of either panoramic or non-panoramic images generated from the images recorded by the stereoscopic data source. *Id.* 12:48-53.

The Detailed Description in the '284 Patent is directed to a “stereoscopic panoramic image arrangement” in particular. The specification describes the generation of a set of stereoscopic panoramic images using strips from each of a series of images recorded by a stereoscopic data source. *Id.* 8:21-28. Figure 5 of the '284 Patent (below) depicts a series of successive images 50(1), 50(2), . . . 50(3) that are recorded by the stereoscopic data source as it is translated and/or rotated. *Id.* 8:30-33. A plurality of mosaic images 51a, 51b, . . . comprising a stereoscopic panoramic image set are generated by using respective strips $a_1, a_2, \dots, a_3, b_1, b_2, \dots, b_3$ from the respective images 50(i). *Id.* 8:34-37. Strips a_1, a_2, \dots, a_3 are used in the image 51a, and are respective strips of the images 50(1), 50(2) . . . 50(3), each having the same horizontal displacement from the center of the respective images 50(i). *Id.* 8:37-41. Similarly, strips b_1, b_2, \dots, b_3 are used in image 51b, and are strips with the same

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