

# Exhibit A

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Paper 16  
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UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SONY CORPORATION  
Petitioner

v.

YISSUM RESEARCH DEVELOPMENT COMPANY OF THE  
HEBREW UNIVERSITY OF JERUSALEM  
Patent Owner

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Case IPR2013-00218 (SCM)  
Patent 6,665,003 B1

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Before SALLY C. MEDLEY, KARL D. EASTHOM, and  
JAMES B. ARPIN, *Administrative Patent Judges*.

EASTHOM, *Administrative Patent Judge*.

DECISION  
Institution of *Inter Partes* Review  
37 C.F.R. § 42.108

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## I. INTRODUCTION

Petitioner, Sony Corporation, filed a Petition requesting an *inter partes* review of claims 1-3 and 22 of Patent No. U.S. 6,665,003. Paper 1 (“Pet.”). In response, Patent Owner, Yissum Research Development Company of the Hebrew University of Jerusalem, filed a Patent Owner Preliminary Response. Paper 12 (“Prelim. Resp.”). We have jurisdiction under 35 U.S.C. § 314.

The standard for instituting an *inter partes* review is set forth in 35 U.S.C. § 314(a):

**THRESHOLD** – The Director may not authorize an *inter partes* review to be instituted unless the Director determines that the information presented in the petition filed under section 311 and any response filed under section 313 shows that there is a reasonable likelihood that the petitioner would prevail with respect to at least 1 of the claims challenged in the petition.

Pursuant to the defined threshold under 35 U.S.C. § 314(a), the Board institutes an *inter partes* review of claims 1-3 and 22 of the ’003 Patent.

### A. Related Proceedings

The ’003 Patent and another related patent are involved in other *inter partes* review filings before the Patent Trial and Appeal Board and litigation in the District Court of Delaware. *See* Pet. 1 (citing *HumanEyes Technologies Ltd. v. Sony Electronics Inc. et al.*, 1-12-cv-00398 (D. Del. March 29, 2013)). Related proceedings at the Board include IPR2013-00219, IPR2013-00326, and IPR2013-00327, and involve the same parties. In IPR2013-00326, Petitioner describes the Delaware litigation as an infringement action currently based on at least claims 1-5, 22, and 34 of the ’003 Patent. *See* IPR2013-00326, Paper 10, 2-3. Petitioner has filed a motion to join the ’326 proceeding, which involves an *inter partes* review challenge by Petitioner of claims 4, 5 and 34 of the ’003 Patent, with the

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instant proceeding. *See id.* at Paper 4. A decision on the motion for joinder will be made in due course.

### *B. The '003 Patent*

The '003 Patent describes generating and displaying stereoscopic panoramic images by using a rotating camera. *See* Ex. 1001, Abstract, Fig. 2. In one embodiment, left and right panoramic image generators, respectively, generate left and right panoramic mosaic images from a series of recorded images, which correspond to different respective angular positions of the rotating camera. *See* Ex. 1001, Abstract, Figs. 2 and 3; col. 3, l. 63 – col. 4, l. 64.

According to the '003 Patent, systems for creating and displaying non-panoramic stereoscopic images were known in the prior art, but “currently, there are no such arrangements for generating and displaying stereoscopically *panoramic* images.” Ex. 1001, col. 1, ll. 41-43 (emphasis added). Common dictionary definitions corroborate that stereoscopic image systems were known prior to the filing date of the '003 Patent. For example, a “stereoscope” is defined as “[a]n optical instrument used to impart a three-dimensional effect to two photographs of the same scene taken at slightly different angles and viewed through two eye-pieces.” THE AMERICAN HERITAGE DICTIONARY OF THE ENGLISH LANGUAGE 1264 (1976). The term “stereoscopic” means “[o]f or pertaining to stereoscopy; especially, three-dimensional,” or “[o]f or pertaining to a stereoscope.” *Id.*, Ex. 3002.

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Figures 2 and 3 depict various aspects of an embodiment of the rotating camera system employed to create panoramic stereoscopic images:

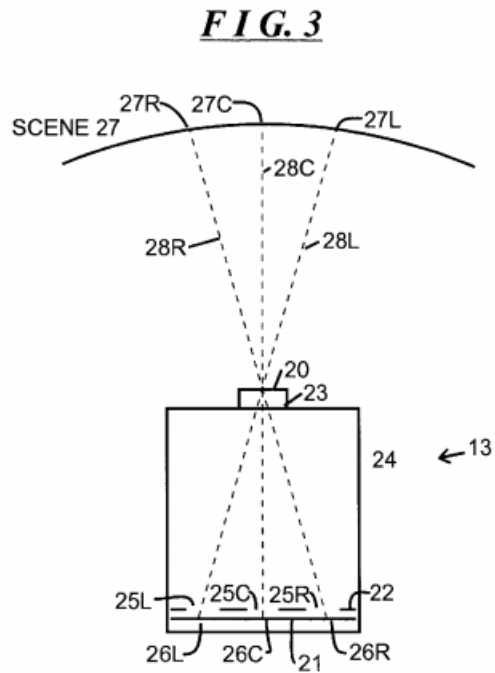
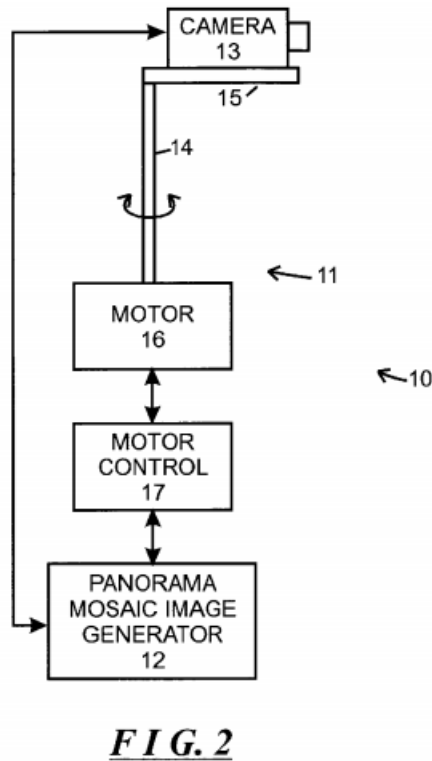


Figure 2 represents a generic block diagram of the system, which involves rotating camera 13. Figure 3 represents a top plan view of camera 13. See Ex. 1001, col. 2, ll. 8-13.

Figure 3 depicts how left and right portions of a scene 27 are captured on different film portions 21 during one fixed position of rotating camera 13. Employing a shutter 23 and screen 22 in rotating camera 13, the system attempts to mimic how a person's left and right eyes would view the panoramic scene as a stereoscopic image. See *id.* at col. 4, l. 40 to col. 5, l. 67.

The '003 Patent describes stereoscopic viewing and images as follows:

A person can see stereoscopically because his or her eyes are displaced horizontally (when standing) which, will provide a perception of depth when viewing a scene, which would not be present otherwise. Stereoscopic images comprise two images

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