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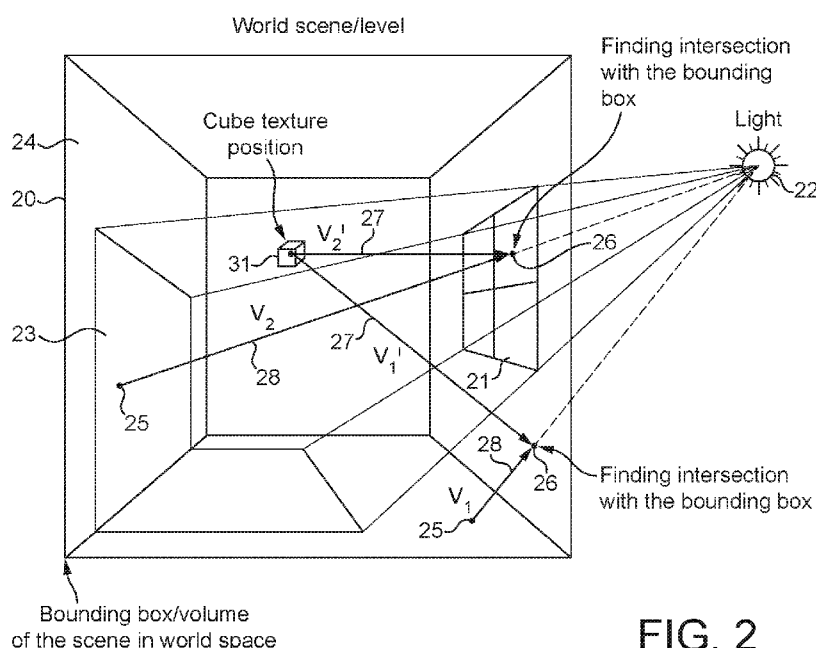
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(54) Title: GRAPHICS PROCESSING SYSTEMS

**FIG. 2**

(57) Abstract: In a graphics processing system, a bounding volume (20) representing the volume of a scene to be rendered and a cube texture (30) representing the transparency of the surface of the bounding volume are defined. Then, when the scene is to be rendered for output, a vector (28) from a sampling point (25) being considered to a light source (22) external of the bounding volume is determined and then used to determine how to sample the texture that represents the transparency of the surface of the bounding volume to determine the transparency of the surface of the bounding volume between the sampling point and the light source. The so-determined transparency is then used to simulate the effect of shadows cast by the external light source (22) at the sampling point (25).

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. G06T15/04 G06T15/60
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Lohmueller A. Friedrich: "Textures with POV-Ray - Transparency mapping I", 20 January 2013 (2013-01-20), XP055235051, Retrieved from the Internet: URL:https://web.archive.org/web/2013012020 0610/http://f-lohmueller.de/pov_tut/tex/te x_885e.htm [retrieved on 2015-12-09]	1,2, 4-15, 17-27, 29-33
A	the whole document figures 1-3 ----- -/--	3,16



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	Friedrich A. Lohmueller: "Textures with POV-Ray - Transparency mapping II", 20 January 2013 (2013-01-20), XP055235064, Retrieved from the Internet: URL:https://web.archive.org/web/20130120200631/http://f-lohmueller.de/pov_tut/tex/te x_886e.htm [retrieved on 2015-12-09]	1,2, 4-15, 17-27, 29-33
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A	Sebastien Lagarde ET AL: "Local Image-based Lighting with Parallax-corrected Cubemap", GamesConnection, 30 November 2012 (2012-11-30), XP055235164, Retrieved from the Internet: URL:https://seblagarde.files.wordpress.com /2012/08/parallax_corrected_cubemap-gameco nnection2012.pdf [retrieved on 2015-12-09] the whole document page 23	1-33
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	LAGARDE SÉBASTIEN ET AL: "Local image-based lighting with parallax-corrected cubemaps", SIGGRAPH '12 ACM SIGGRAPH 2012 TALKS, ACM, 2 PENN PLAZA, SUITE 701 NEW YORK NY 10121-0701 USA, 5 August 2012 (2012-08-05), page 1, XP058008298, DOI: 10.1145/2343045.2343094 ISBN: 978-1-4503-1683-5 the whole document abstract -----	1-33

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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