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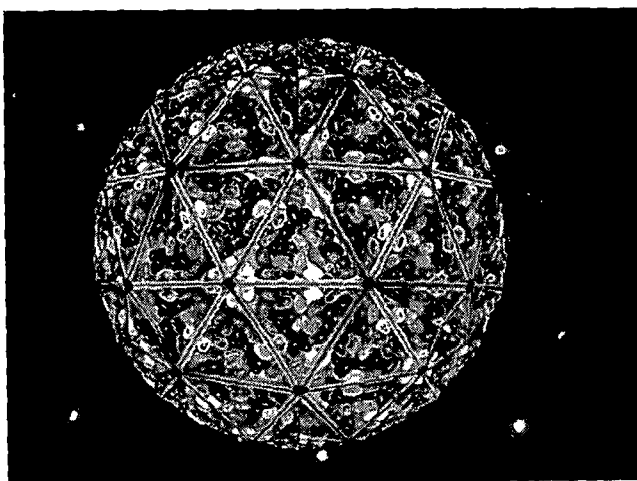


FIG. 1

(57) Abstract: An apparatus for obtaining reflectance data of an object includes a diffuser having a surface. The apparatus includes a mapping portion that effects a mapping between a light field at the object's surface and a light field at the diffuser surface for bi-directional reflectance distribution function (BRDF) capture of the object. A method for obtaining reflectance data usable to determine a plurality of values of the BRDF of an object. The method includes the steps of illuminating the object. There is the step of effecting a mapping between a light field at the object's surface and a light field at a diffuser surface for BRDF capture of the object with a mapping

portion. An apparatus and a method for measuring an 8 dimension reflectance field of an object or a 3D object

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<b>C DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 2005/0068537 A1 (HAN et al ) 31 March 2005 (31 03 2005) entire document especially Fig 1, abstract, para [0013], para [0021]-[0027], para [0038]-[0042], para [0048]-[0052], para [0055]-[0056], para [0064]-[0047], para [0071]-[0073], para [0078]-[0081], para [0084]-[0085], para [0088]	1-44
A	US 2004/0061784 A1 (PERLIN) 01 April 2004 (01 04 2004) entire document	1-44
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