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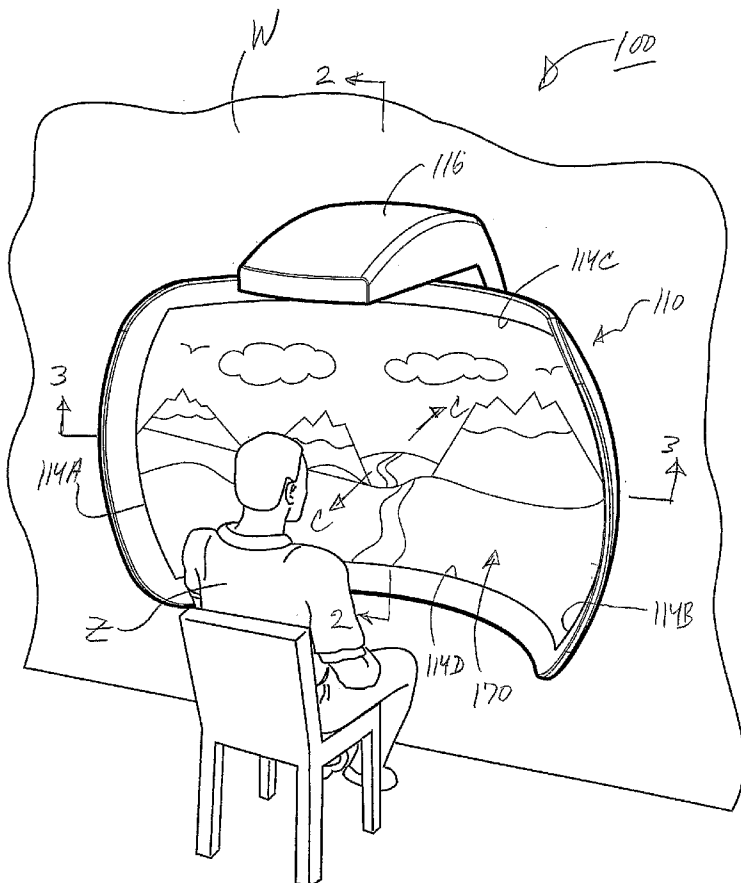
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[Continued on next page]

(54) Title: OPTICAL PROJECTION SYSTEM AND METHODS FOR CONFIGURING THE SAME



(57) Abstract: An optical projection system for use with a display surface includes at least one image source comprising an array of source image pixels, a projector to project a first projection of the array of source image pixels, and at least one mirror including at least one curved reflecting surface having a curved profile. The at least one curved reflecting surface is adapted to convert the first projection to a curved second projection directed onto the display surface to provide an array of displayed image pixels on the display surface corresponding to the array of source image pixels, wherein the array of displayed image pixels have constant pixel pitch among adjacent displayed image pixels.

WO 2006/108141 A3



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/13022

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G02B 17/00 (2007.01)

USPC - 359/731

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)

IPC(8) - G02B 17/00; G03B 21/00, 21/56; H04N 13/04; G09G 5/00 (2007.01)

USPC - 353/122, 11, 69, 79, 70, 79, 7, 94; 359/731, 730, 727, 726, 720, 710, 709, 838, 708, 680, 676, 648, 475, 473, 451, 443, 448, 449, 453; 348/739, 744, 757, 783, 761, 782, 776

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)

MicroPatent, IP.com, DialogPro, IEEXPLOR

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,712,477 B2 (IDASZAK et al) 30 March 2004 (30.03.2004), entire document	1-8, 10-15, 17-23
Y		9, 16
Y	US 5,394,198 A1 (JANOW) 28 February 1995 (28.02.1995), entire document	9, 16
A	US 5,724,775 A1 (ZOBEL, JR et al) 10 March 1998 (10.03.1998), entire document	1-23
A	US 4,656,506 A1 (RITCHEY) 07 April 1987 (07.04.1987), entire document	1-23
A	US 5,502,481 A1 (DENTINGER et al) 26 March 1996 (26.03.1996), entire document	1-23

Further documents are listed in the continuation of Box C.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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