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(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

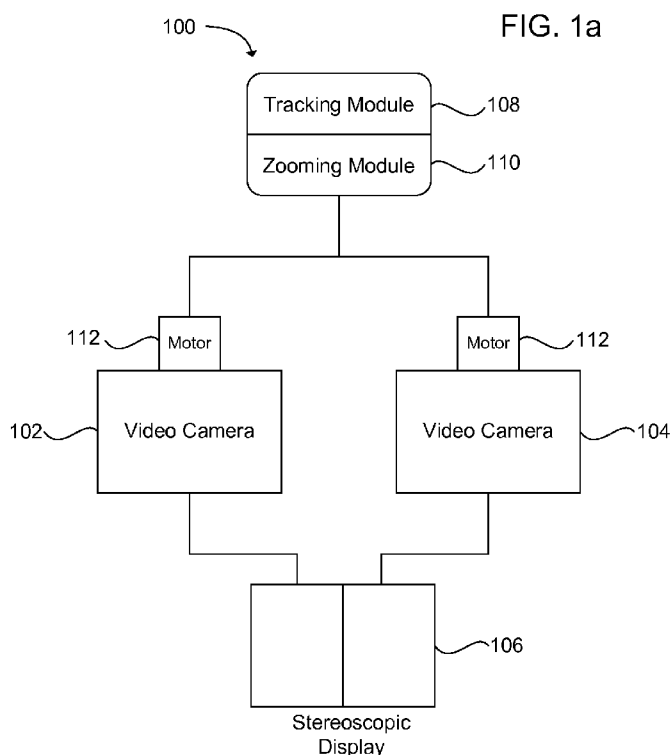
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Declarations under Rule 4.17:

— as to the identity of the inventor (Rule 4.17(i))

[Continued on next page]

(54) **Title:** SYSTEM AND METHOD OF VIEWING AND TRACKING STEREOSCOPIC VIDEO IMAGES



(57) **Abstract:** Systems and methods for viewing stereoscopic video images are disclosed. One system comprises a first video camera configured to generate a first video feed of a subject. A second video camera is spaced a pupillary distance from the first video camera and configured to generate a second video feed of the subject. A tracking module associated with the first video camera and the second video camera is configured to cause the first video camera and the second video camera to be directed to a desired convergent point relative to a selected tracking point to maintain stereopsis. A zooming module associated with the first video camera and the second video camera is configured to provide a desired magnification of the near real-time stereoscopic video image.



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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))* (88) **Date of publication of the international search report:**
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- *with international search report (Art. 21(3))*

A. CLASSIFICATION OF SUBJECT MATTER***H04N 13/00(2006.01)i***

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)

H04N 13/00; A61B 19/00; A61C 3/00; G02B 21/22; G06T 1/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: dental, medical, 3D, HMD

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007-0121203 A1 (TRUEVISION SYSTEMS, INC.) 31 May 2007 See abstract, figure 9 and claim 1-3.	1,2-6,10,13-18,19 ,20-25,26,27-30 ,35-37
A		7-9,11-12,31-34
A	JP 2000-163558 A (MITSUBISHI ELECTRIC CORP) 16 June 2000 See abstract and claim 1-3.	1-37
A	US 2003-0207227 A1 (AMIR ABOLFATHI) 06 November 2003 See abstract and claim 1.	1-37



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

14 DECEMBER 2012 (14.12.2012)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007-0121203 A1	31.05.2007	US 2007-0121202 A1 US 2007-0188603 A1	31.05.2007 16.08.2007
JP 2000-163558 A	16.06.2000	None	
US 2003-0207227 A1	06.11.2003	US 2011-281229 A1	17.11.2011