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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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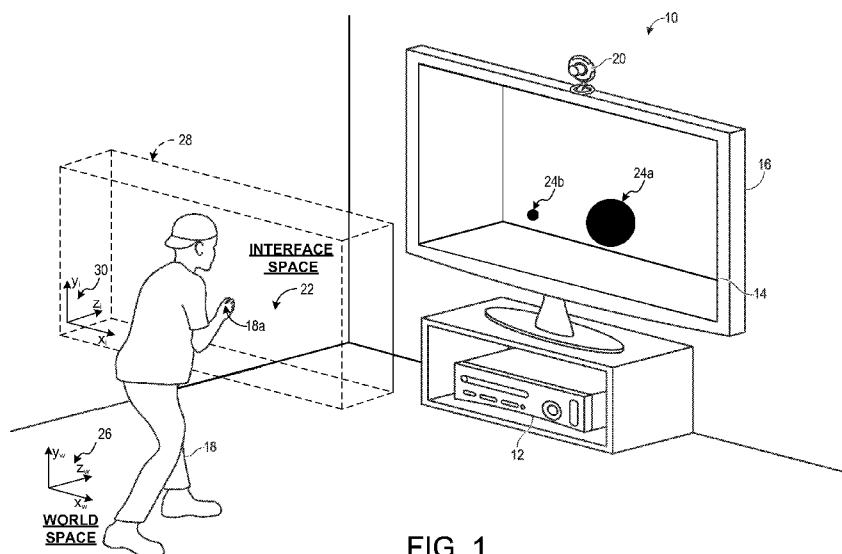


FIG. 1

(57) **Abstract:** A computing system includes a depth image analysis module to track a world-space pose of a human in a fixed, world-space coordinate system. The computing system further includes an interaction module to establish a virtual interaction zone with a movable, interface-space coordinate system that tracks the human and moves relative to the fixed, world-space coordinate system. The computing system also includes a transformation module to transform a position defined in the fixed, world-space coordinate system to a position defined in the movable, interface-space coordinate system.

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**A. CLASSIFICATION OF SUBJECT MATTER****G06F 3/01(2006.01)i, G06F 3/03(2006.01)i**

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

G06F 3/01; G06F 19/00; G06F 17/00; G06T 7/00; A63F 13/00; G09G 5/00

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) &amp; Keywords: 3D, motion/gesture tracking, interact, etc.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008-0030460 A1 (GESTURETEK, INC.) 07 February 2008	1,2,5,6,7,10
Y	See paragraphs [0007]-[0227]; and figures 1-3, 5-11B.	3,4
Y	WO 2008-014826 A1 (ALTERFACE S.A. et al.) 07 February 2008 See paragraphs [0020]-[0021], [0050]-[0059]; and figures 1-5b.	3,4
A	US 2006-0148563 A1 (PIXART IMAGING INC.) 06 July 2006 See paragraphs [0018]-[0020]; claims 1-2,7 and figures 1-2.	1-11
A	US 2003-0076293 A1 (HANS MATTSSON) 24 April 2003 See paragraphs [0019]-[0024]; claims 1-13 and figures 1-5.	1-11
A	US 2004-0063481 A1 (XIAOLING WANG) 01 April 2004 See paragraphs [0041]; claims 1-6 and figure 1.	1-11

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"&amp;" document member of the same patent family

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