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(54) Title: VIRTUALIZING OBJECTS USING OBJECT MODELS AND OBJECT POSITION DATA

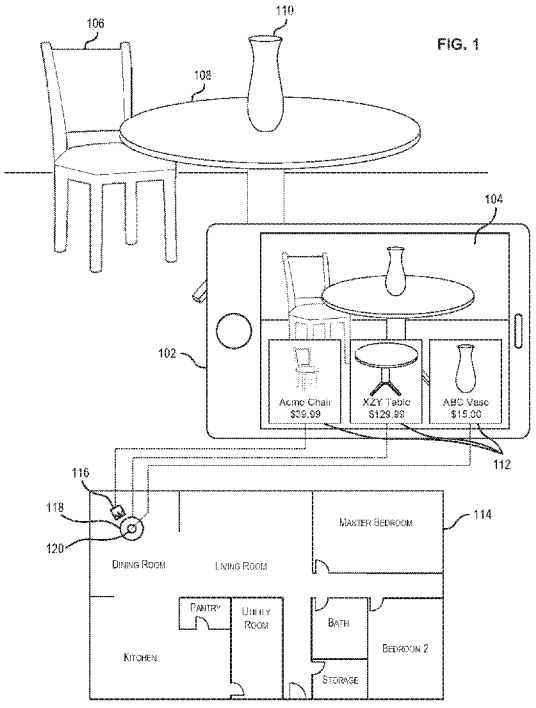


FIG. 1

(57) Abstract: Described herein are a system and methods for generating a record of objects, as well as respective positions for those objects, with respect to a user. In some embodiments, a user may use a user device to scan an area that includes one or more objects. The one or more objects may be identified from image information obtained from the user device. Positional information for each of the one or more objects may be determined from depth information obtained from a depth sensor installed upon the user device. In some embodiments, the one or more objects may be mapped to object models stored in an object model database. The image information displayed on the user device may be augmented so that it depicts the object models associated with the one or more objects instead of the actual objects.

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B. FIELDS SEARCHED

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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: augment reality, object, depth information, mapping, indication, display

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2017-206451 A1 (LAUNCH TECH CO., LTD.) 07 December 2017 See paragraphs [0012], [0027]-[0028], [0033]-[0034]; and claims 1, 6, 8.	1-23
Y	US 8668498 B2 (MATTHEW A. CALMAN et al.) 11 March 2014 See column 2, lines 17-55; column 4, lines 3-5; column 6, lines 55-58; column 7, lines 34-38; column 8, lines 2-6; column 9, lines 43-55; column 16, lines 14-23; column 17, lines 15-18; and column 21, lines 36-38.	1-23
A	KR 10-2014-0081729 A (DASSAULT SYSTEMES DELMIA CORP.) 01 July 2014 See paragraphs [0004]-[0006].	1-23
A	KR 10-2014-0082610 A (CTECH) 02 July 2014 See paragraphs [0007]-[0013].	1-23
A	KR 10-2013-0137968 A (KIM, YONG CHEN et al.) 18 December 2013 See paragraphs [0011]-[0032].	1-23

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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