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(56) Documents Cited:
US 20090315995 A1
SHWETAK N PATEL ET AL: "iCam Precise at-a-Distance Interaction in the Physical Environment"
Pedro De-Las-Heras-Quiros ET AL: "Moiles Augmented Reality browsers should allow labeling objects A Position Paper for the Augmented Reality on the Web W3C Workshop"
Mabel Vazquez Briseno ET AL: "Using RFID/NFC and QR-Code in Mobile phones to Link the Physical and the Digital World"

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(54) Title of the Invention: **Apparatus and method for location identification**
Abstract Title: **Apparatus and method for location identification**

(57) A system for generating a 3-D map of a plurality of loci within a structure includes a triangulation network associated with the structure whereby each locus may be assigned co-ordinates corresponding to its position within the structure relative to the triangulation network, and a portable mapping device, arranged for determining the location for each locus from a position of the portable mapping device relative to the triangulation network and a position of each locus relative to the portable mapping device, and arranged for storing the location for each locus in a memory. The system may then be used to subsequently guide a user within the structure to the loci identified by the labels. The system is useful for assisting a visually-or memory-impaired user to find objects and locations within a structure such as a dwelling.

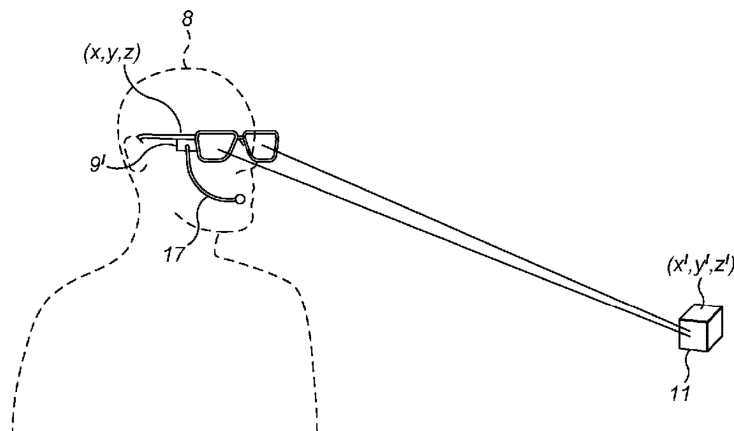


FIG. 3