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(54) Title: METHODS RELATING TO VIRTUAL REALITY SYSTEMS AND INTERACTIVE OBJECTS

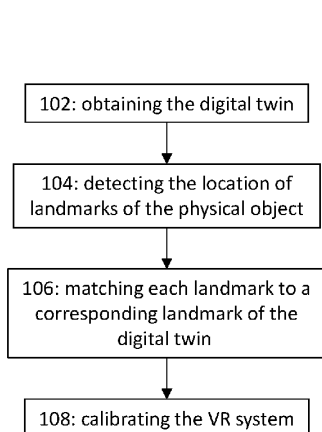


Figure 1

(57) Abstract: Described is a virtual reality (VR) system. The VR system comprises a VR display for displaying a VR environment to a user, memory comprising a digital twin corresponding to a physical object, the physical object comprising three or more 5 landmarks, a detector, and a processor system. The memory stores instructions that, when executed by the processor system, cause the VR system to: detect a location of each landmark using the detector; match each landmark to a corresponding landmark on the digital twin using the processor system; and process, using the processor system, the corresponding landmarks to orient, 10 position and scale the digital twin in the VR environment based on a position of the physical object.

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