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(54) Title: A TANGIBLE USER INTERFACE AND A SYSTEM THEREOF

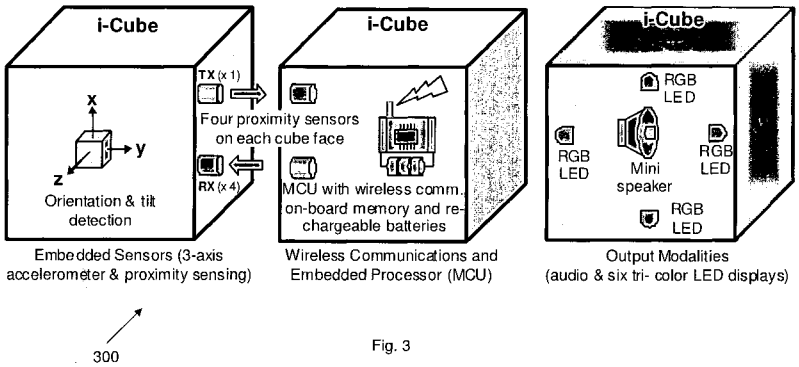

Fig. 3

(57) Abstract: The present invention relates to a TUI having a plurality of faces. A sensing system is provided to detect the presence of one or more adjacent TUIs within a predetermined sensing distance of one of the faces. Thus, the sensing system is arranged to detect whether any of the faces of the TUI opposes one or more adjacent TUIs. It may further be able to detect the relative orientation of opposing faces of the TUI and the one or more adjacent TUIs. The sensing system is further configured to enable the determination of the orientation of the TUI with respect to the vertical direction.