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(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a system for recognizing gestures and controlling volume of a portable electronic device, comprising: a portable electronic device comprising camera configured to capture hand gestures of user through processing device, the processing device configured to transfer hand gesture images to memory, memory comparing gesture recognizing module configured to acquire the hand gesture images from camera; the gesture recognizing module configured to analyze the hand gesture images of user, the gesture recognizing module configured to detect a hand and track a gesture of the hand in the hand gesture images on the portable electronic device, the gesture recognizing module configured to recognize at least one of a hand gesture of the user thereby controlling volume of the portable electronic device. FIG. 1

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