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(54) **HUMAN INTERACTION SYSTEMS USING KINESTHETIC FEEDBACK AND OPERATING METHOD THEREOF**

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(57) **ABSTRACT**

Disclosed herein are human interaction systems using kinesthetic feedback and an operating method thereof. Each of the human interaction systems includes a driver driving the human interaction system according to handling of a user and generating kinesthetic feedback; a sensor measuring force, physical quantity and path applied by the driver; a converter converting a motion signal of the driver, measured by the sensor, into an electric signal in order to transmit and receive the motion signal; and a communication module transmitting and receiving the electric signal. Accordingly, a user can deliver kinesthetic feedback corresponding to his/her motion as well as voices to the other person through a mobile terminal. Accordingly, the user can deliver various feelings in addition to voices. Furthermore, the user can deliver his/her intention to the other person in a conference where the user is restrained from speaking. Moreover, the user can enjoy more realistic games through kinesthetic feedback when performing interaction games through the mobile terminal.

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