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(54) **HAPTIC BUTTON AND HAPTIC DEVICE USING THE SAME**

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(75) Inventors: **Kyu-yong Kim**, Yongin-si (KR);
Sang-young Kim, Seoul (KR);
Byung-seok Soh, Suwon-si (KR);
Gyung-hye Yang, Seoul (KR);
Yong-beom Lee, Seoul (KR)

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Correspondence Address:
STAAS & HALSEY LLP
SUITE 700, 1201 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

(57) **ABSTRACT**

A haptic button providing various stimulations to a user according to a current application and a haptic device using the same are provided. The haptic button includes an electro-active polymer having a flat shape, a pair of electrodes contacting two sides of the electro-active polymer, an electric circuit applying a predetermined voltage to the pair of electrodes, and a sensor sensing a button input from a user, wherein stimulation provided from the electro-active polymer to the user is changed by changing a waveform of the voltage according to a current application status.

(73) Assignee: **SAMSUNG ELECTRONICS CO., LTD.**, Suwon-si (KR)

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