

(12) **United States Patent**
Roh

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(54) **WEARABLE ELECTRONIC DEVICE HAVING TOUCH RECOGNITION UNIT AND DETACHABLE DISPLAY, AND METHOD FOR CONTROLLING THE ELECTRONIC DEVICE**

1/1626; G06F 1/1654; G06F 3/0346; G06F 3/0362; G06F 3/044; G06F 3/0488; H04M 1/05; H04M 1/6058; H04M 1/605; H04M 1/72519; H04M 1/72558; H04M 2250/12; H04M 2250/22

See application file for complete search history.

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

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(72) Inventor: **Taewoo Roh**, Seoul (KR)

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(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 27 days.

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Primary Examiner — Lun-Yi Lao

Assistant Examiner — Elliott Deaderick

(74) *Attorney, Agent, or Firm* — Lee, Hong, Degerman, Kang & Waimey; Jonathan Kang; Harry Lee

(51) **Int. Cl.**

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(57) **ABSTRACT**

An electronic device includes: a touch recognition unit provided on at least one side of the frame; a sensing unit that detects where the frame is worn; and a controller that detects, through the sensing unit, at least one of a first position where the frame is worn on the user's head, a second position where the frame is worn around the user's neck, and a third position where the frame is separate from the user, detects a touch input on the touch recognition unit, and controls call-related operations based on at least either the detected position where the frame is worn or the detected touch input. Accordingly, a variety of call-related or multimedia data-related functions can be used efficiently by changing the position where a frame wearable around the neck or on the head is worn.

(52) **U.S. Cl.**

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(58) **Field of Classification Search**

CPC H04R 2420/07; H04R 5/033; H04R 2201/107; G06F 1/163; G06F 3/011; G06F

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