

US009436376B2

# (12) United States Patent

Shinozaki et al.

## (54) LOAD REQUIRED TO CANCEL AN INPUT ON A TOUCH SENSOR IS ADJUSTED WHEN THE SLIDE OF A TOUCH OBJECT IS DETECTED

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 182 days.

(21) Appl. No.: 13/635,829

(22) PCT Filed: Feb. 24, 2011

(86) PCT No.: **PCT/JP2011/001077** 

§ 371 (c)(1),

(2), (4) Date: Sep. 18, 2012

(87) PCT Pub. No.: WO2011/114630

PCT Pub. Date: Sep. 22, 2011

(65) Prior Publication Data

US 2013/0016056 A1 Jan. 17, 2013

(30) Foreign Application Priority Data

Mar. 18, 2010 (JP) ...... 2010-062971

(51) Int. Cl.

**G06F 3/041** (2006.01) **G06F 3/0486** (2013.01)

(52) U.S. Cl.

CPC ............. *G06F 3/0486* (2013.01); *G06F 3/0414* (2013.01); *G06F 3/0416* (2013.01)

(58) Field of Classification Search

None

See application file for complete search history.

# (10) Patent No.: US 9,436,376 B2

(45) **Date of Patent:** 

Sep. 6, 2016

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Primary Examiner — Ilana Spar Assistant Examiner — Kirk Hermann

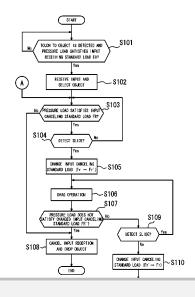
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(57) ABSTRACT

An electronic device for receiving an input based on a pressure load that reduces a risk of ending a drag operation despite a user's intention is provided.

The electronic device includes a touch sensor configured to detect a touch by a touch object, a load detection unit configured to detect a pressure load on a touch face of the touch sensor, and a control unit configured to enter or cancel an input receiving state for receiving an input based on the pressure load detected by the load detection unit. The control unit, in the input receiving state, controls to make a standard load for canceling the input receiving state when a slide of the touch object touching the touch face is detected and a standard load for canceling the input receiving state when the slide of the touch object touching the touch face is not detected different from each other.

## 4 Claims, 9 Drawing Sheets





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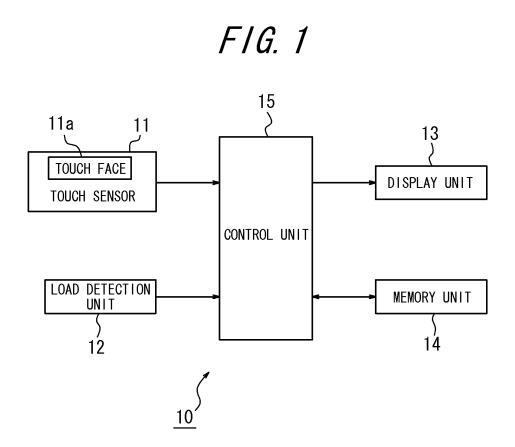
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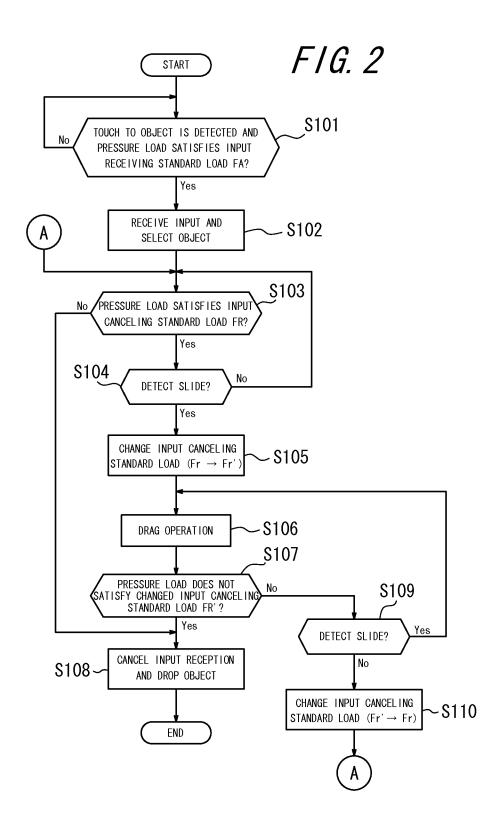
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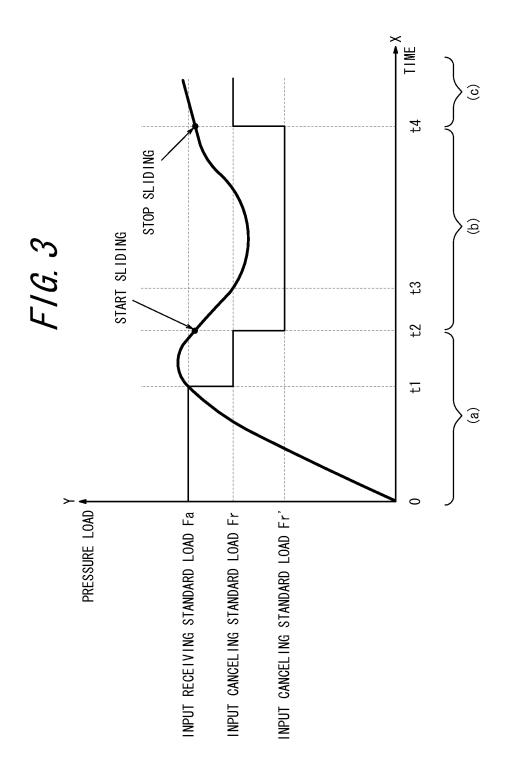














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