US008125463B2

(12) **United States Patent**
Hotelling et al.

(10) **Patent No.: US 8,125,463 B2**
(45) **Date of Patent: Feb. 28, 2012**

(54) **MULTIPOINT TOUCHSCREEN**

(75) Inventors: **Steven Porter Hotelling**, San Jose, CA (US); **Joshua Strickon**, New York, NY (US); **Brian Q. Huppi**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 543 days.

(21) Appl. No.: **12/267,540**

(22) Filed: **Nov. 7, 2008**

(65) **Prior Publication Data**

US 2009/0096758 A1 Apr. 16, 2009

Related U.S. Application Data

(62) Division of application No. 10/840,862, filed on May 6, 2004, now Pat. No. 7,663,607.

(51) **Int. Cl.**
G06F 3/041 (2006.01)

(52) **U.S. Cl.** **345/173**; 345/174; 178/18.01

(58) **Field of Classification Search** 345/173–179; 178/18.01–18.04

See application file for complete search history.

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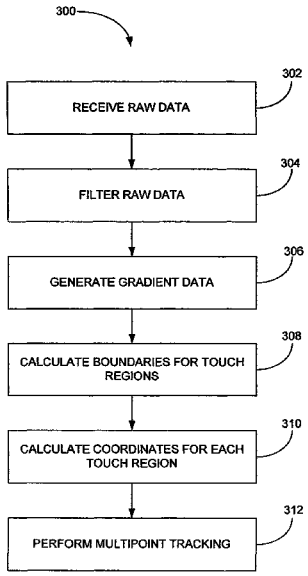
Primary Examiner — Kimnhung Nguyen
(74) *Attorney, Agent, or Firm* — Morrison & Foerster LLP

(57) **ABSTRACT**

A touch panel having a transparent capacitive sensing medium configured to detect multiple touches or near touches that occur at the same time and at distinct locations in the plane of the touch panel and to produce distinct signals representative of the location of the touches on the plane of the touch panel for each of the multiple touches is disclosed.

21 Claims, 14 Drawing Sheets