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(54) **SYSTEMS AND METHODS FOR ADAPTIVE INTERPRETATION OF INPUT FROM A TOUCH-SENSITIVE INPUT DEVICE**

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     *G09G 5/00*      (2006.01)
(52) **U.S. Cl.** ..................................... **345/173**; 178/18.01
(58) **Field of Classification Search** .......... 345/156–163, 345/168, 169, 173–179; 178/18.1, 18.01, 178/18.03–18.09; 715/701, 702
See application file for complete search history.

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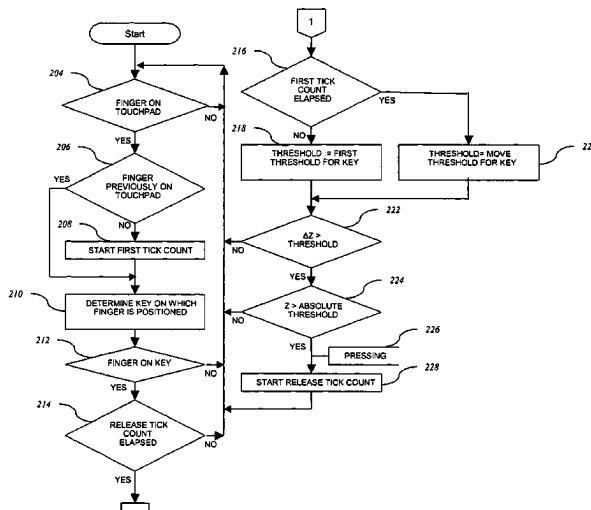
(57)       **ABSTRACT**

Systems and methods for adaptively interpreting a user's intent based on parameters supplied by a touch-sensitive input device are described. In one of the methods described, a processor receives a pressure signal indicating a pressure from an input device, such as a touchpad, compares the pseudo pressure signal to a pressure threshold value, and outputs a signal if the pseudo pressure signal is greater than the pressure threshold value. In another embodiment, the processor also calculates the speed of movement of a conductor, for instance a user's finger, across the input device, and compares the speed to a threshold. If the speed is greater than the threshold, the processor determines that although the pressure may be great enough to signal a press, no press is intended. The various parameters supplied by the input device may be digitally filtered to increase the accuracy of the determination of user intent.

**26 Claims, 4 Drawing Sheets**

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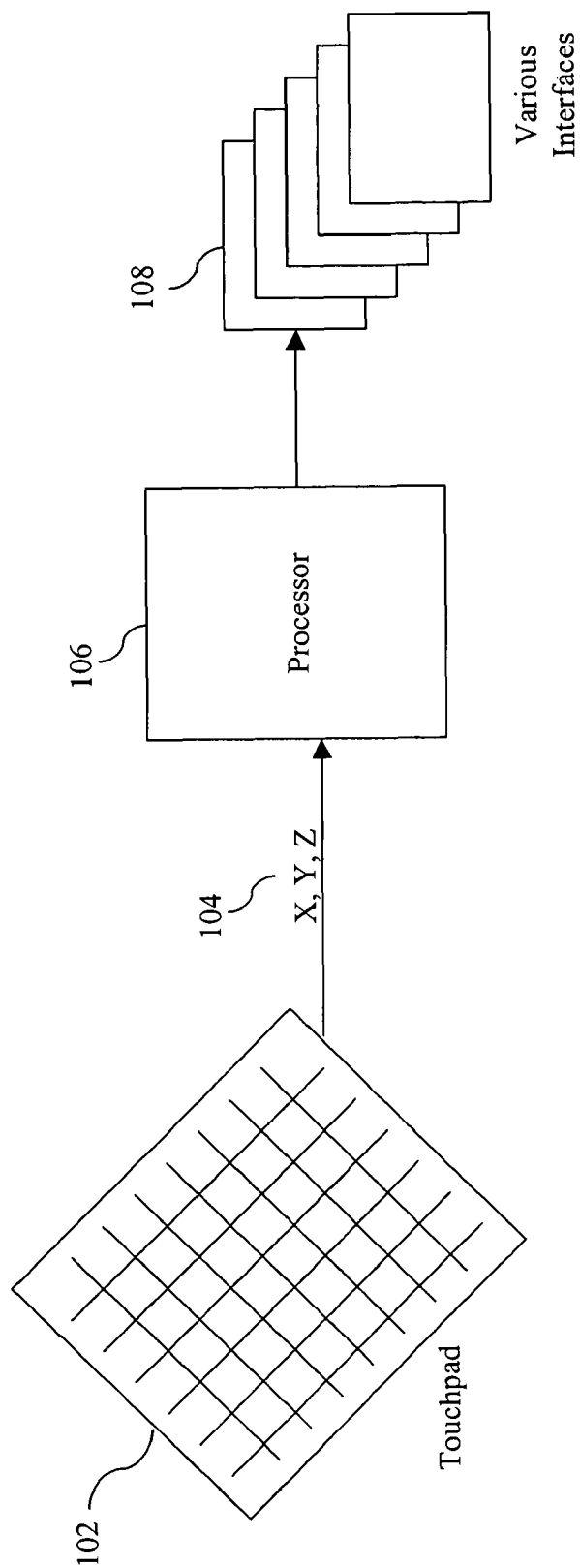European Patent Office, Communication Pursuant to Article 94(3) EPC, Application No. 04779422, dated Nov. 9, 2010.

Various Interfaces

108

Processor

106
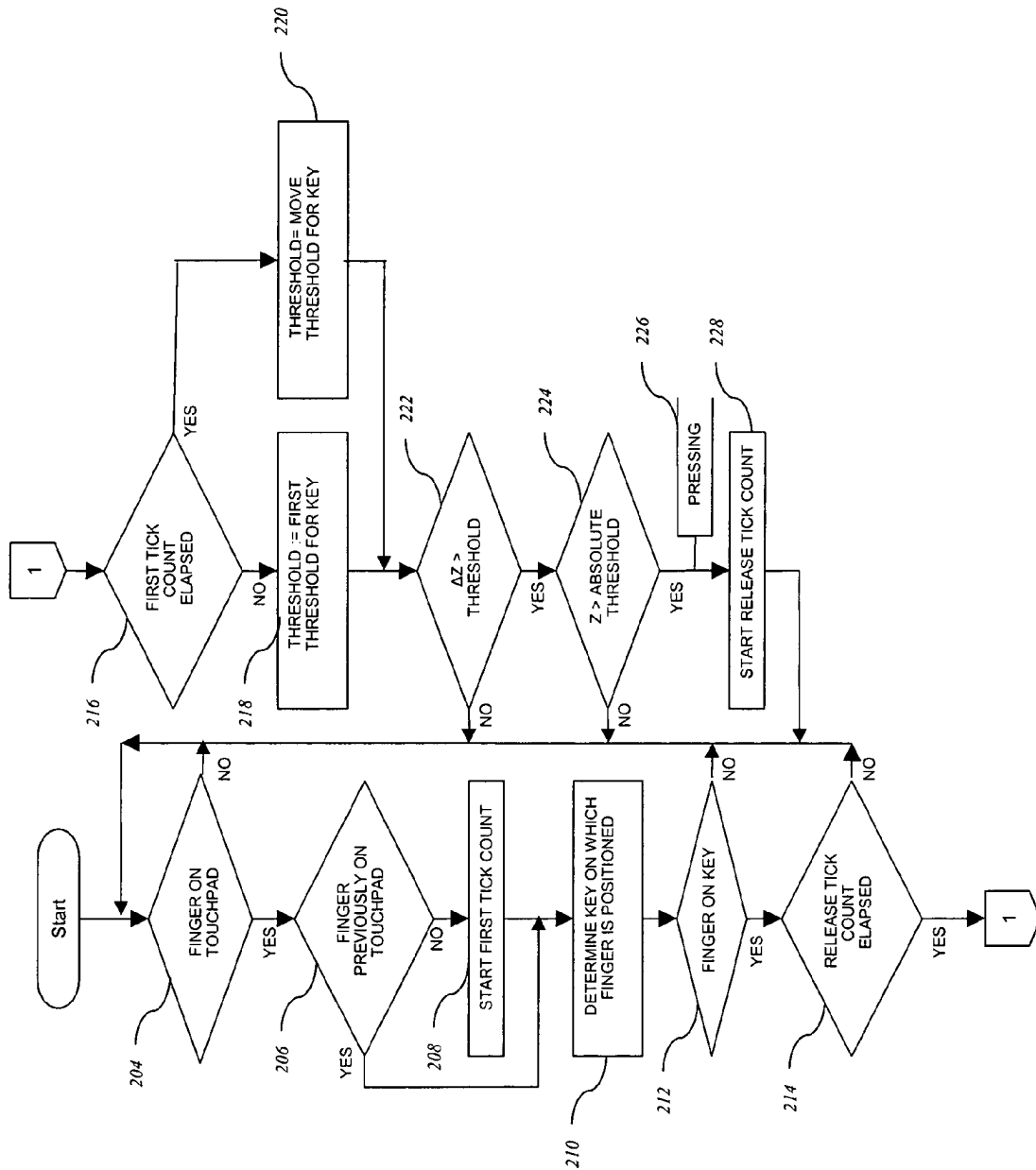
104

X, Y, Z

Touchpad

102

FIG. 1

FIG. 2

# DOCKET ALARM

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