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Bowens

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(54) **GESTURE RECOGNITION**
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G06K 9/22 (2006.01)
(52) **U.S. Cl.**
USPC **382/315**; 345/173
(58) **Field of Classification Search**
USPC 382/312, 314, 315; 348/14.03; 715/700, 715/719; 345/157, 173-177, 181
See application file for complete search history.

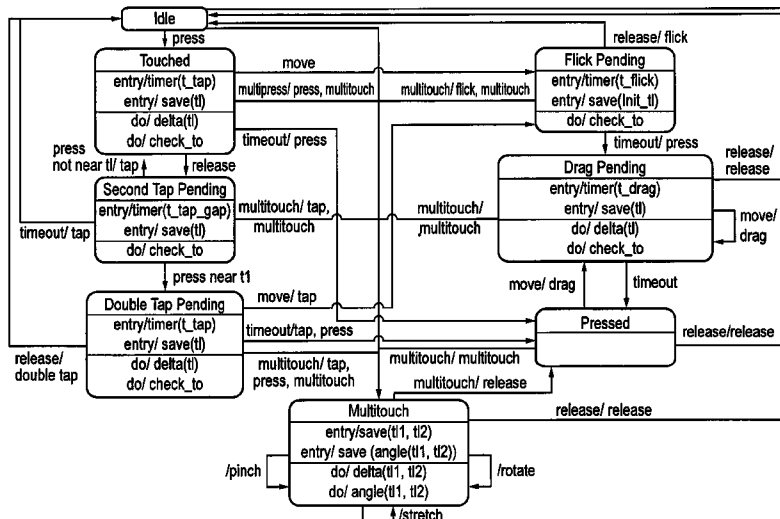
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(57) **ABSTRACT**

A state machine gesture recognition algorithm for interpreting streams of coordinates received from a touch sensor. The gesture recognition code can be written in a high level language such as C and then compiled and embedded in a micro-controller chip, or CPU chip as desired. The gesture recognition code can be loaded into the same chip that interprets the touch signals from the touch sensor and generates the time series data, e.g. a microcontroller, or other programmable logic device such as a field programmable gate array.

14 Claims, 11 Drawing Sheets



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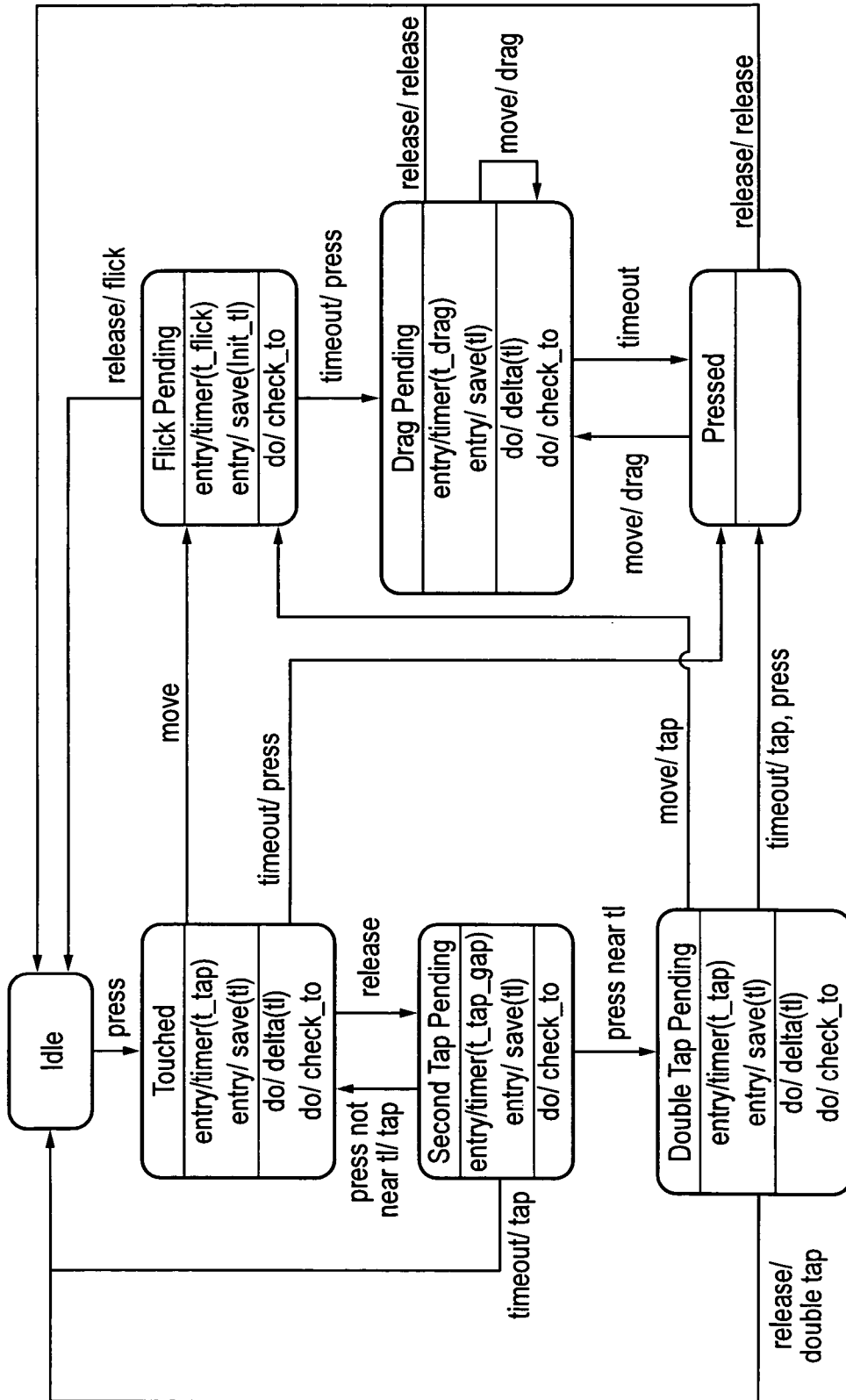


FIG. 1

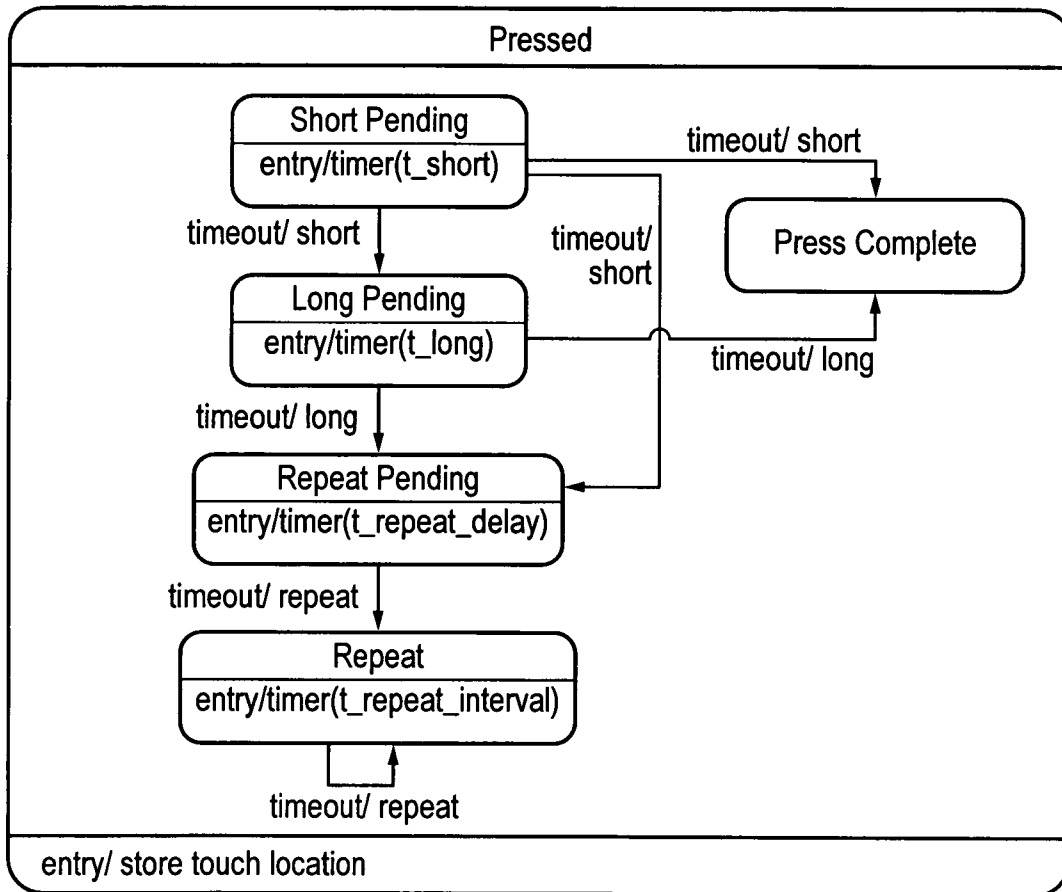


FIG. 3

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