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(54) **ELECTRONIC DEVICES WITH SIDEWALL DISPLAYS**

(75) Inventors: **Scott A. Myers**, San Francisco, CA (US); **Stephen Brian Lynch**, Portola Valley, CA (US); **Anthony S. Montevirgen**, San Francisco, CA (US)

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

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G06F 3/041 (2006.01)

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USPC **345/173**

(58) **Field of Classification Search**
None
See application file for complete search history.

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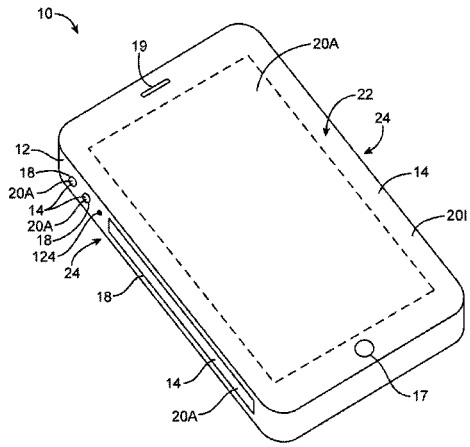
Primary Examiner — Nicholas Lee
(74) *Attorney, Agent, or Firm* — Treyz Law Group; Kendall P. Woodruff

(57) **ABSTRACT**

Electronic devices may be provided that contain flexible displays that are bent to form displays on multiple surfaces of the devices. Bent flexible displays may be bent to form front side displays and edge displays. Edge displays may be separated from front side displays or from other edge displays using patterned housing members, printed or painted masks, or by selectively activating and inactivating display pixels associated with the flexible display. Edge displays may alternately function as virtual buttons, virtual switches, or informational displays that are supplemental to front side displays. Virtual buttons may include transparent button members, lenses, haptic feedback components, audio feedback components, or other components for providing feedback to a user when virtual buttons are activated.

21 Claims, 16 Drawing Sheets