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Alvarez Rivera et al.

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(54) **DEVICES AND METHODS FOR PROVIDING ACCESS TO INTERNAL COMPONENT**

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G06F 21/32 (2013.01)
G06F 21/83 (2013.01)
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H04W 12/06 (2009.01)

(52) **U.S. Cl.**
CPC **G06F 1/1656** (2013.01); **G06F 21/32** (2013.01); **G06F 21/83** (2013.01); **G06F 1/1684** (2013.01); **H04L 63/0861** (2013.01); **H04W 12/06** (2013.01); **G06F 2221/2101** (2013.01)
USPC **455/552.1**; 455/566; 455/556.2; 455/550.1

(58) **Field of Classification Search**
CPC H04W 12/00; G06K 9/00006
USPC 455/556.1, 556.2, 550.1, 566, 552.1, 455/410, 411, 414.1, 418; 370/329, 401; 345/58, 82, 522, 589, 173, 6, 629

See application file for complete search history.

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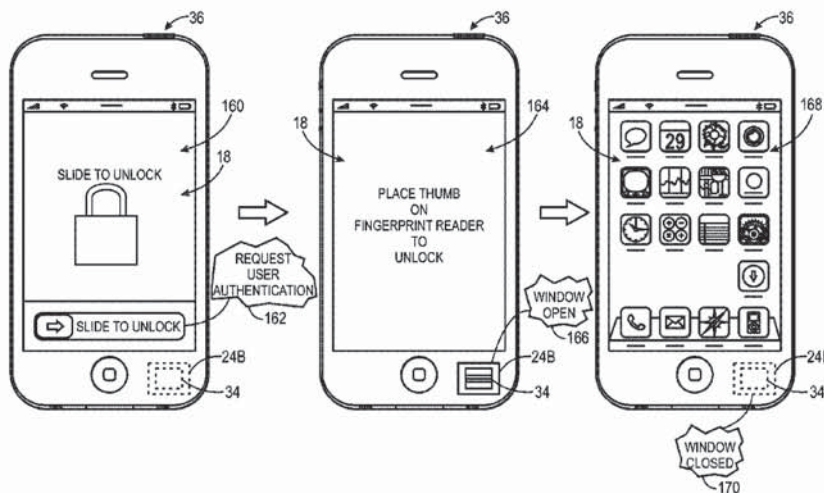
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(57) **ABSTRACT**

Systems, methods, and devices are disclosed for applying concealment of components of an electronic device. In one embodiment, an electronic device may include a component that is disposed behind a window configured to selectively become transparent or opaque, such as a polymer-dispersed liquid crystal (PLDC) window. The component includes an image capture device, a strobe flash, a biometric sensor, a light sensor, a proximity sensor, or a solar panel, or a combination thereof. Additionally, the electronic device includes data processing circuitry configured to determine when an event requesting that the component be exposed occurs. Furthermore, the electronic device includes a window controller that may control the window to become transparent, to expose the component upon the occurrence of the event requesting that the component be exposed.

18 Claims, 13 Drawing Sheets



Apple and Samsung Ex. 1017

Apple Inc., Samsung Electronics Co., Ltd., and

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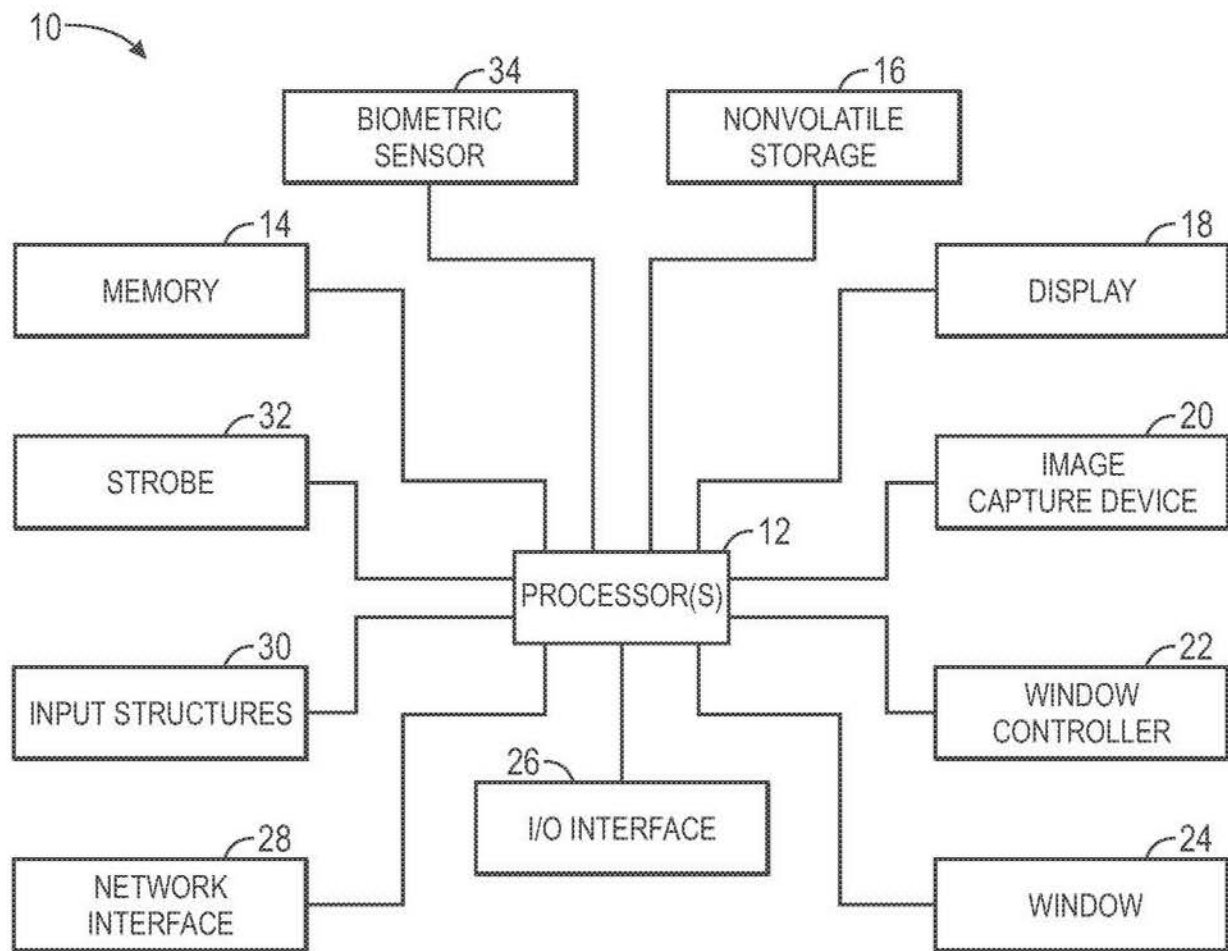
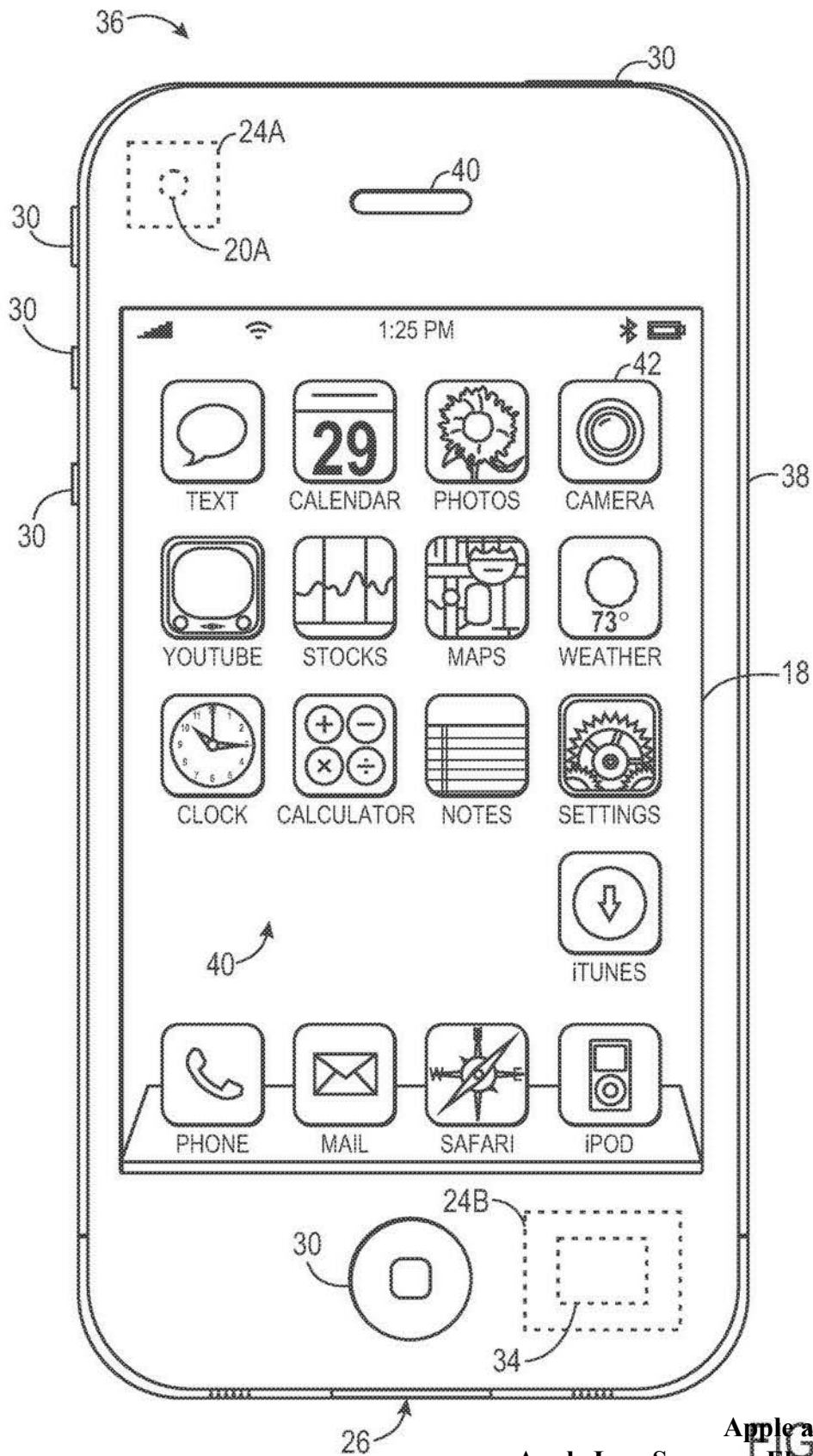


FIG. 1



Apple and Samsung Ex. 1017
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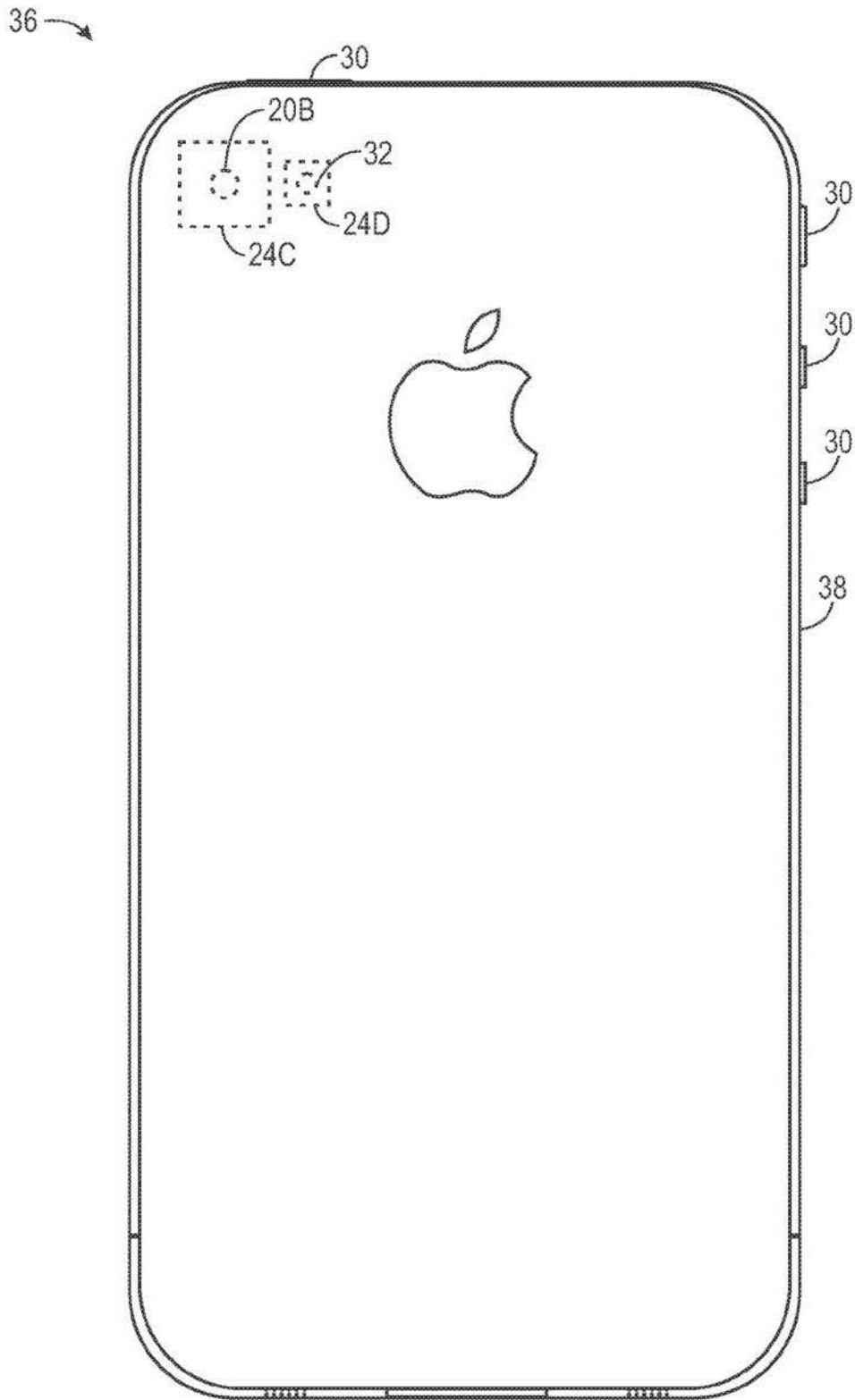


FIG. 3 Apple and Samsung Ex. 1017
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