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(56) Documents Cited:
EP 2977850 A1 **US 20180129250 A1**
US 20160357318 A1

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(54) Title of the Invention: **Cumulative sensor in a foldable device**
Abstract Title: **Cumulative sensor in a foldable device**

(57) A foldable device includes a first housing portion, a second housing portion, and a hinge structure joined therebetween to permit the foldable device to be folded along an axis between an open mode and a closed mode. Touch sensors are disposed along one or more of the first housing portion or the second housing portion. The device includes a module implemented at least partially in hardware and configured to: determine touch sensor physical proximity; responsive to the touch sensor physical proximity not being less than a threshold, determine that the foldable device is in the open mode and cause the foldable device to be operated in a single sensor mode; and responsive to the touch sensor physical proximity being less than the threshold, determine that the foldable device is in a closed mode and cause the foldable device to be operated in a cumulative sensor mode.

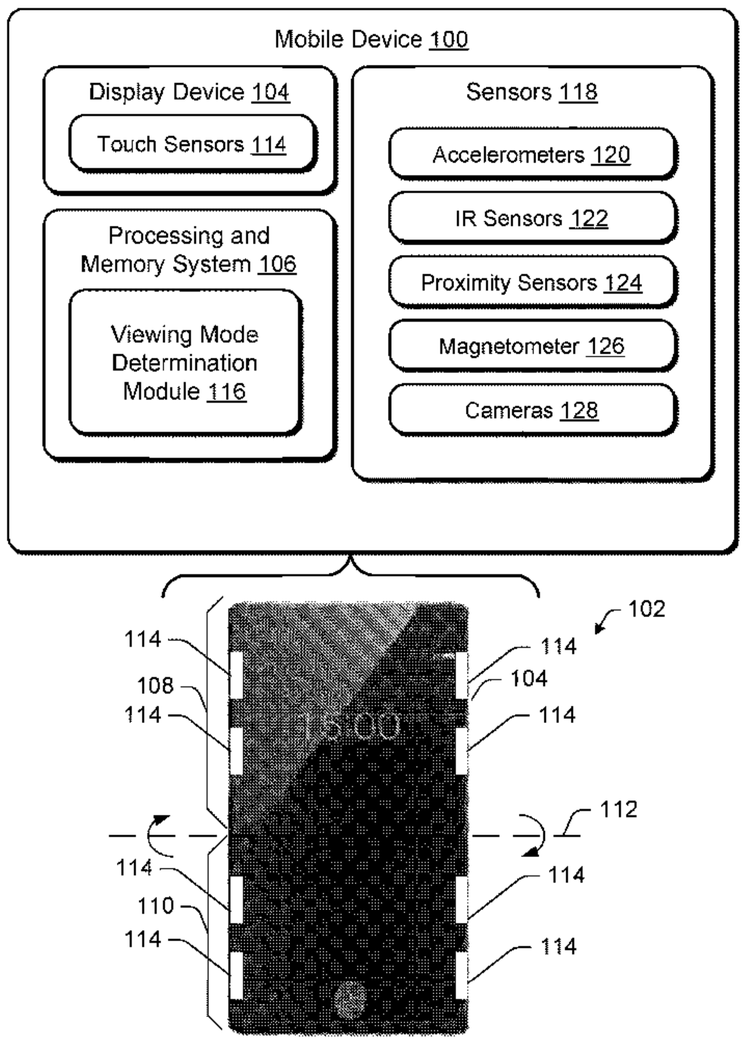

Fig. 1

THIS INTERNATIONAL APPLICATION HAS ENTERED THE NATIONAL PHASE EARLY

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