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XiaoPing

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(54) **TWO-PIN BUTTONS**
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patent is extended or adjusted under 35
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See application file for complete search history.

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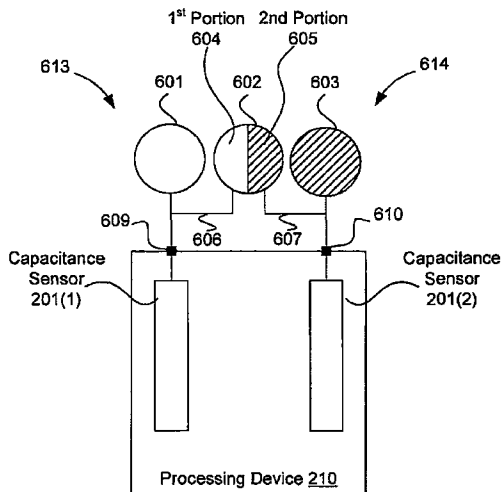
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(57) **ABSTRACT**

An apparatus and method for detecting a presence of a con-
ductive object on a sensing device, and recognizing three or
more button operations performed by the conductive object
using two sensing areas of the sensing device. The sensing
device may include first, second, and third sensor elements.
The third sensor element may include two electrically iso-
lated portions coupled to the first and second sensor elements.

20 Claims, 10 Drawing Sheets



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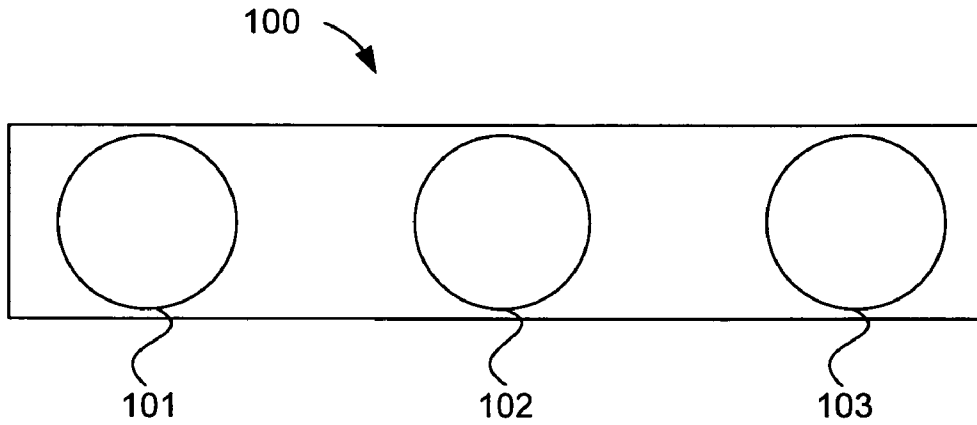


FIG. 1A

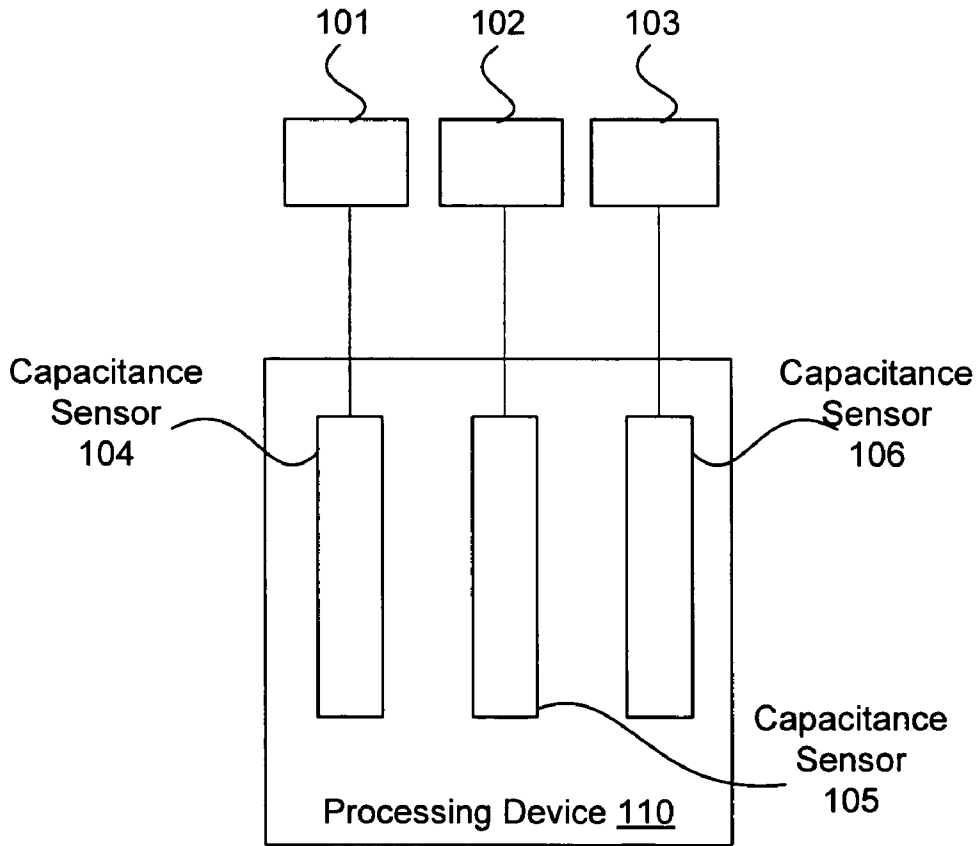


FIG. 1B

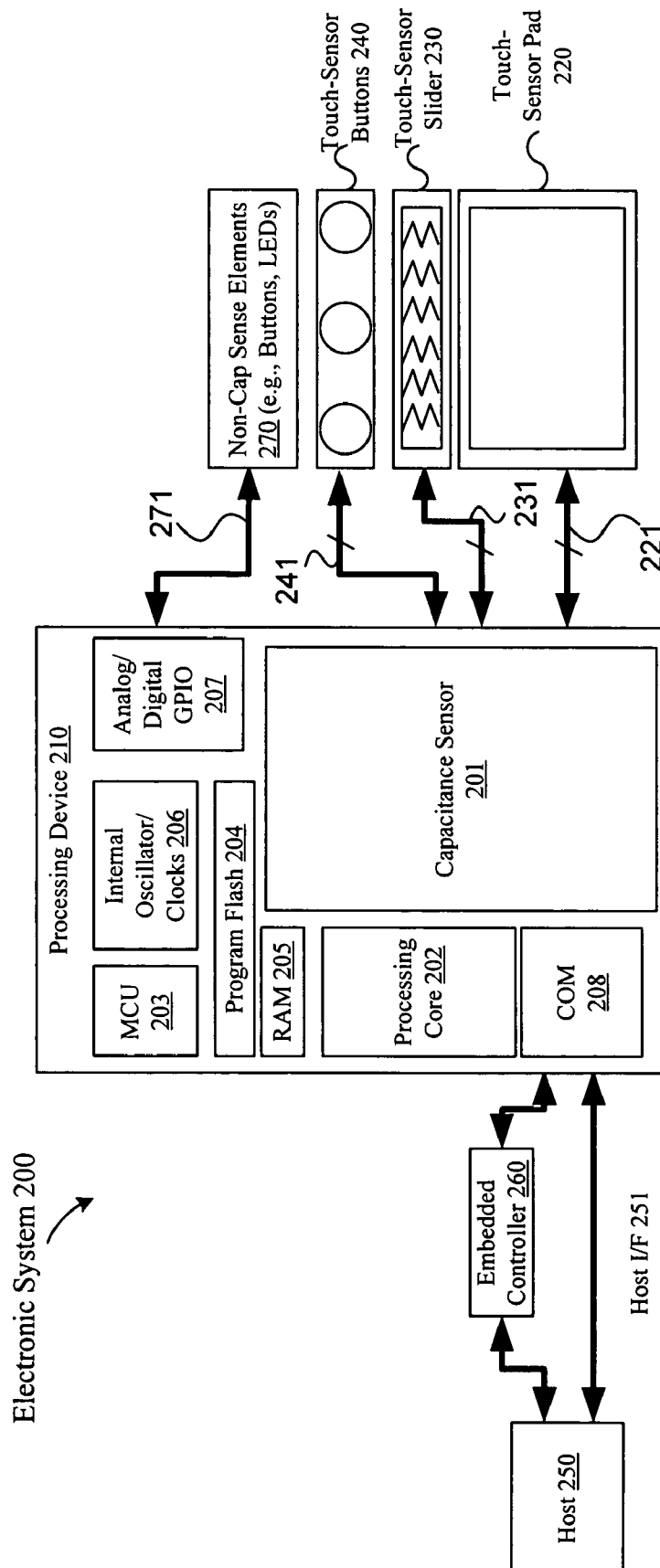


FIG. 2

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