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(54) **COORDINATE INPUT DEVICE AND DISPLAY DEVICE INCLUDING THE SAME**

(52) **U.S. Cl. 345/174**

(57) **ABSTRACT**

(75) **Inventors:** **Norio MAMBA**, Kawasaki (JP); **Koji Nagata**, Hachioji (JP); **Koji Hayakawa**, Chosei-gun (JP)

Provided is a coordinate input device including: a coordinate input unit having a plurality of first detection electrodes and a plurality of second detection electrodes; an electrode drive circuit that applies a drive signal to one or more of the detection electrodes; a capacitance detection circuit that detects a capacitance of the first and/or second detection electrode; means for selecting one or more of the detection electrodes to which the drive signal is not applied from among the detection electrodes which are disposed in parallel to the detection electrodes to which the drive signal is applied, as a reference electrode; means for detecting a capacitance of the selected reference electrode; means for correcting a capacitance detection result of the capacitance detection circuit on the basis of the detected capacitance of the reference electrode; and an input coordinate computing circuit that calculates an input coordinate from the corrected capacitance detection result.

(73) **Assignee:** **Hitachi Displays, Ltd.**

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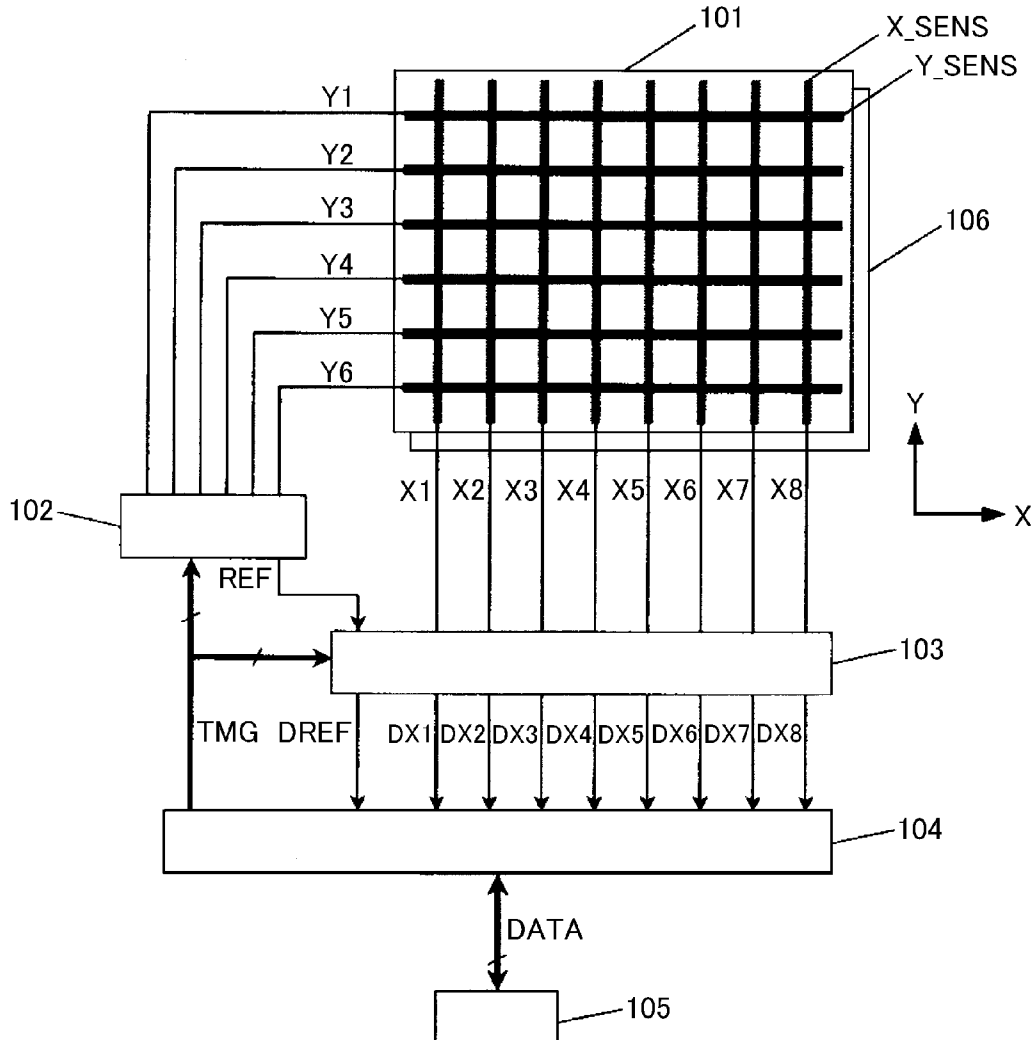


FIG. 1

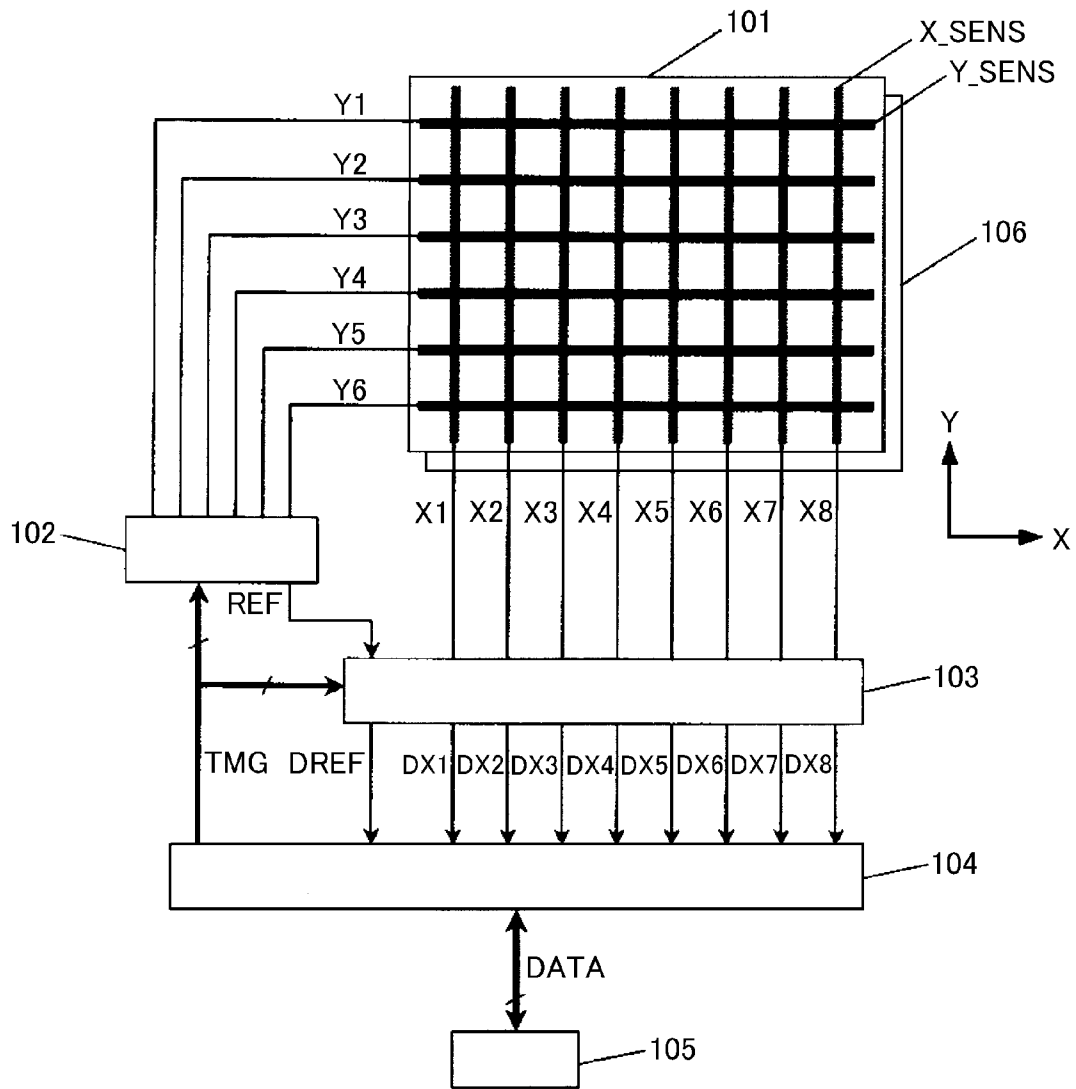


FIG.2

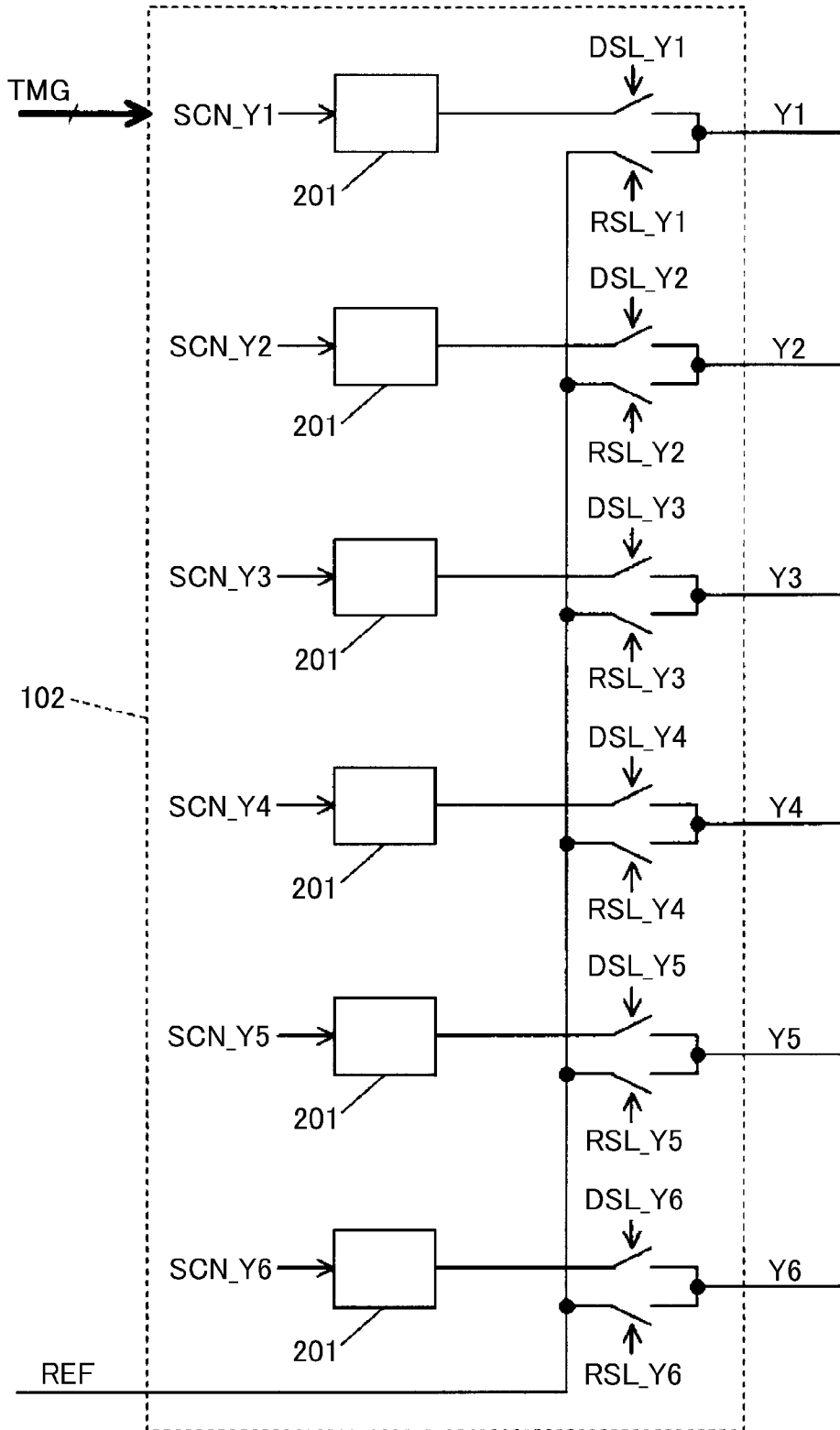


FIG.3

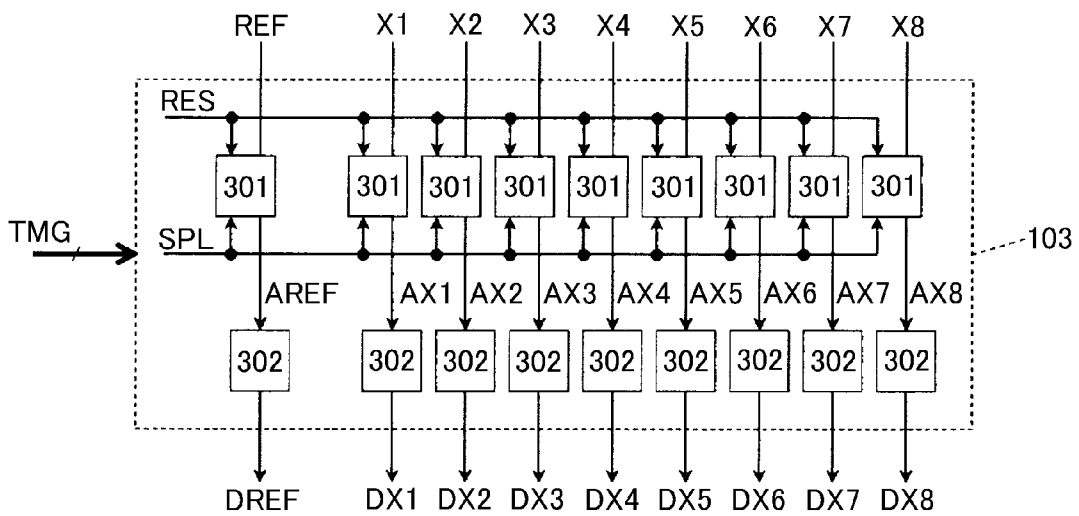
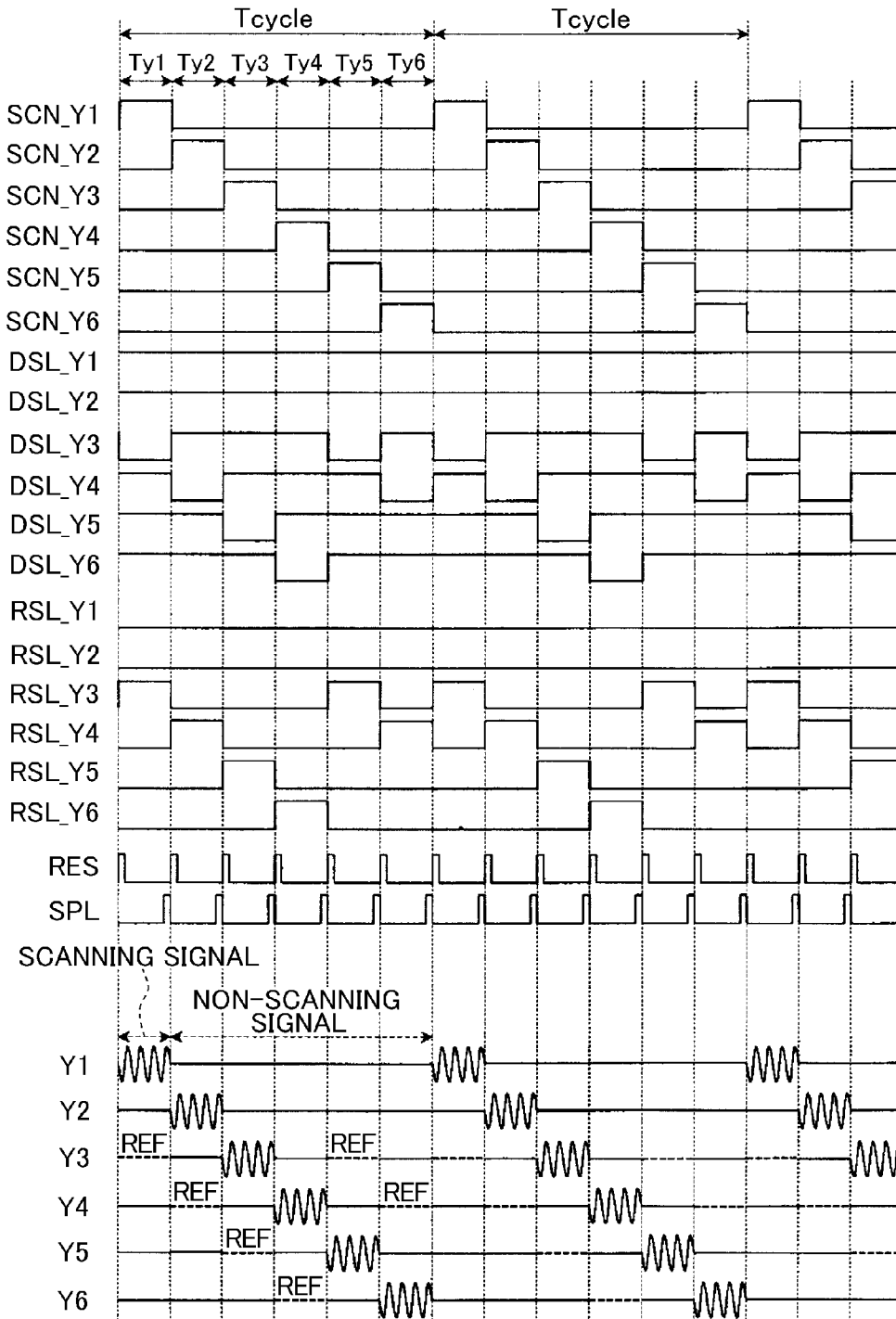


FIG.4



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