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(54) **Sensing apparatus and sensing method for sensing touch position on display panel**

(57) A sensing apparatus (600, 606, 616) includes a sensing cell (602, 602_1, 602_n, 612_1, 612_n) and a processing circuit (604, 608, 61 8). The sensing cell (602, 602_1 , 602_n, 612_1 , 612_n) is disposed inside a display panel, and includes a first type sensing device (610) and a second type sensing device (620). The first type sensing device (610) is arranged to generate a first type sensing signal when the sensing cell (602, 602_1, 602_n, 612_1 , 612_n) receives an input event. The second type sensing device (620) is adjacent to the first type sensing device (610), and arranged to generate a second type sensing signal when the sensing cell (602, 602_1, 602_n, 612_1, 612_n) receives the input event, wherein a sensing ability of the first type sensing device (610) to detect the input event is different from a sensing ability of the second type sensing device (620) to detect the input event. The processing circuit (604, 608, 618) is arranged to output a sensing output signal corresponding to the sensing cell (602, 602_1, 602_n, 612_1, 612_n) according to a difference between the first type sensing signal and the second type sensing signal.

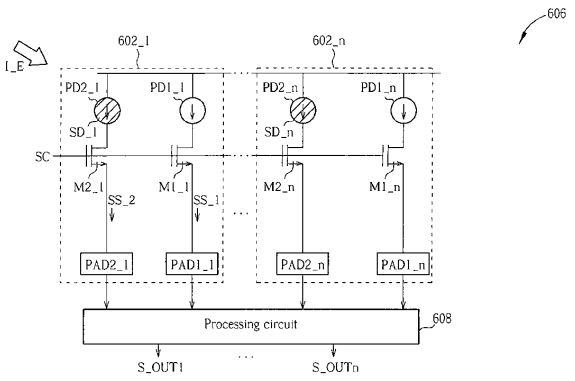


FIG. 8

EP 2 515 214 A8