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(54) Title: DYNAMIC ASSIGNMENT OF POSSIBLE CHANNELS IN A TOUCH SENSOR

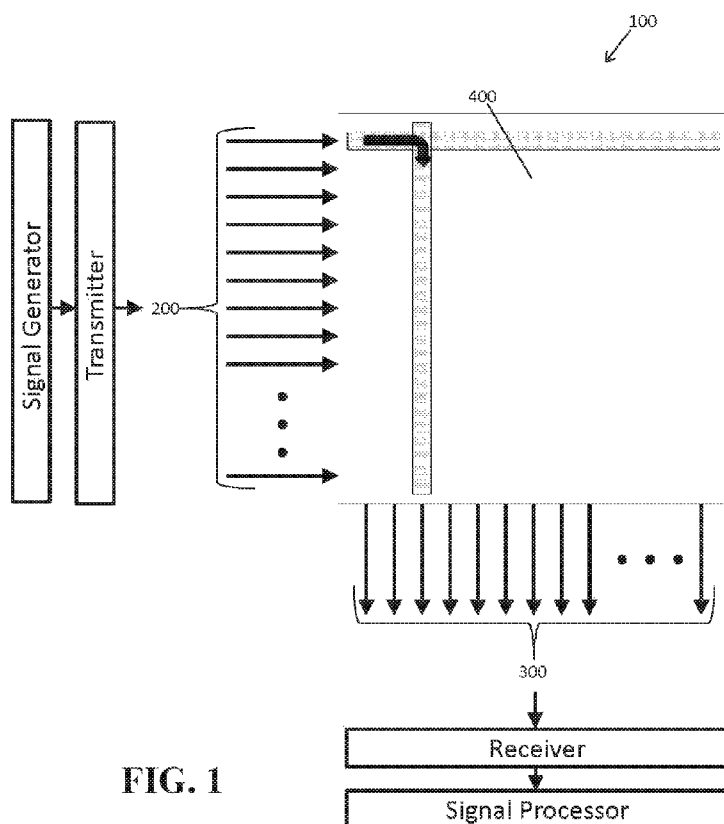


FIG. 1

(57) Abstract: Methods are disclosed for dynamic assignment of possible channels in a touch sensitive device having rows and columns. In an embodiment, a method determines a first signal space in which to generate signals for use in the touch sensor. Signals are then generated in the first signal space on separate ones of the rows and a column signal is sensed on a column. The first signal space is replaced with a second signal space, and a second plurality of signals is generated for use in the touch sensor in the second frequency space. The second plurality of signals is sensed to identify a touch event in the touch sensitive device.

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