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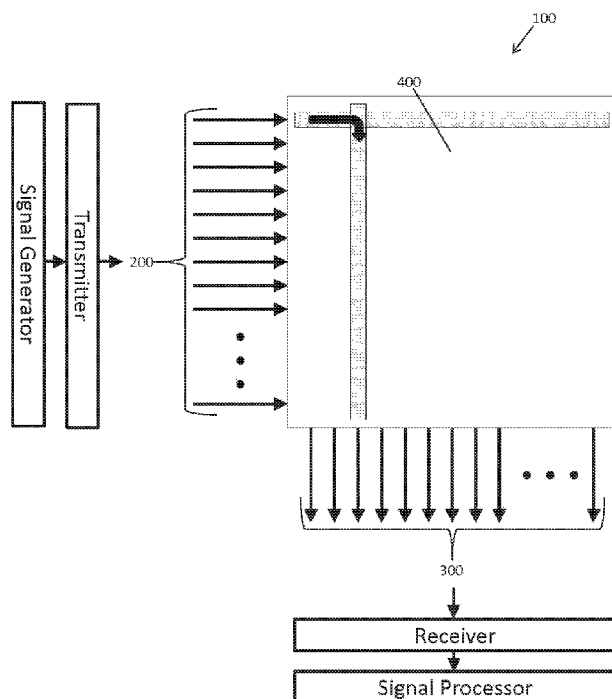
(54) **Title:** ACTIVE OPTICAL STYLUS AND SENSOR

FIG. 1

(57) **Abstract:** An optical input position locating device includes a sheet material having a light transmitting media and a plurality of direction changing particles suspended within the light transmitting media. The direction changing particles are selected to output light in a different direction than an optical input received by the media. Light sensors are provided along at least a first edge of the sheet material. Each of the light sensors is associated with an angular filter that restricts light from reaching the associated light sensor, and the light sensors being adapted to produce a signal in response to receiving the redirected light. A position processor connected to the plurality of light sensors is adapted to use the signals produced by plurality of light sensors to determine a position of the optical input.



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