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[Continued on next page]

(54) Title: DETECTING THE LOCATION OF AN OBJECT ON A TOUCH SURFACE

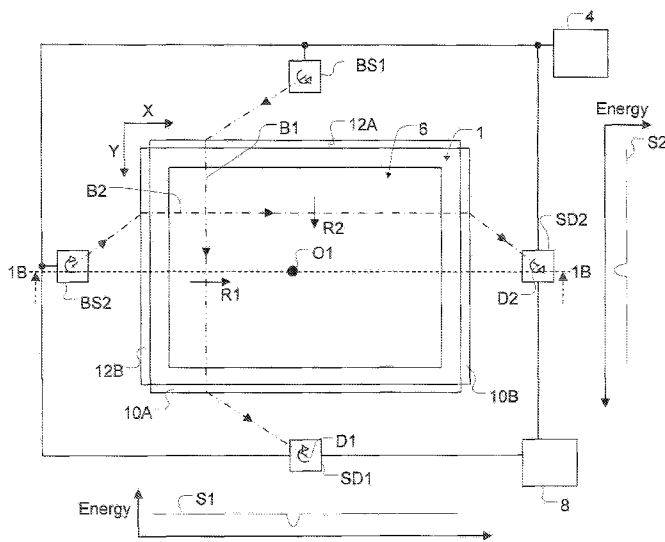


FIG. 1A

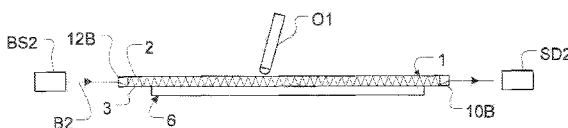


FIG. 1B

(57) Abstract: An apparatus is controlled to detect a location of an object (O1) on a touch surface of a panel (1). An input scanner arrangement (BS1-BS2, 12A-12B) introduces at least two beams (B1, B2) of radiation into the panel (1) for propagation by internal reflection, and sweeps the beams (B1, B2) inside the panel across a sensing area. An output scanner arrangement (10A-10B, SD1-SD2) is synchronized with the input scanner arrangement so as to receive the beams (B1, B2) from the input scanner arrangement while they are swept across the sensing area and to direct the beams (B1, B2) onto at least one radiation detector. Thereby, each beam (B1, B2) is introduced and received on opposite ends of the sensing area. A data processor is connected to the radiation detector and operated to identify the location based on an attenuation of the beams (B1, B2) caused by the object (O1) touching the touch surface within the sensing area.





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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 3 553 680 A (COOREMAN CHARLES REMY) 5 January 1971 (1971-01-05) column 1, lines 34-43 column 4, line 63 - column 5, line 27; figure 4 column 5, lines 45-53 column 3, line 25 - column 4, line 54	1-4, 15-17
Y	US 2006/114237 A1 (CROCKETT TIMOTHY W [US] ET AL) 1 June 2006 (2006-06-01) paragraphs [0019] - [0025]; figures 2, 3 ----- -/--	1-4, 15-22

Further documents are listed in the continuation of Box C.

See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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