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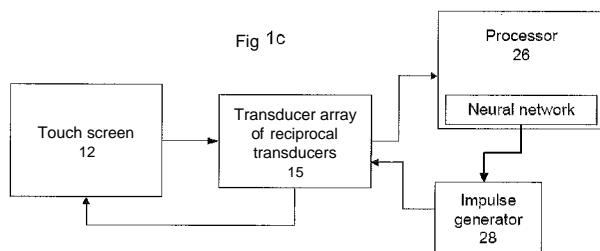
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(54) Title: TOUCH SENSITIVE DEVICE EMPLOYING BENDING WAVE VIBRATION SENSORS THAT DETECT TOUCH LOCATION AND PROVIDE HAPTIC FEEDBACK



(57) Abstract: A touch sensitive device comprising a touch sensitive display member capable of supporting bending wave vibration and having a user accessible display surface, an array of transducers coupled to the display member with the array of transducers comprising at least some transducers which are configured to both detect physical touching of the input surface by the user and to input impulses into the display member to produce a haptics sensation to the user in response to said detected touching of the display surface, and a signal processor to receive signals from at least some of transducers in the array of transducers and adapted to analyse the signals to determine the location of the physical touch on the display surface.

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
INV. G06F3/041 G06F3/01 G06F3/048  
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
G06F

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)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2008/062122 A1 (ROSENBERG LOUIS B [US] ET AL) 13 March 2008 (2008-03-13)	1,3-7 , 9-12 , 17-20
Y	abstract; figures 1,3,7-8 paragraph [0002] - paragraph [0010] paragraph [0024] - paragraph [0032] paragraph [0035] - paragraph [0042] paragraph [0045] - paragraph [0047] paragraph [0051] - paragraph [0054] paragraph [0064] - paragraph [0076] ----- -/- -	2,8, 13-16, 21-23

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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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2		

**INTERNATIONAL SEARCH REPORT**

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