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**EUROPEAN PATENT APPLICATION**

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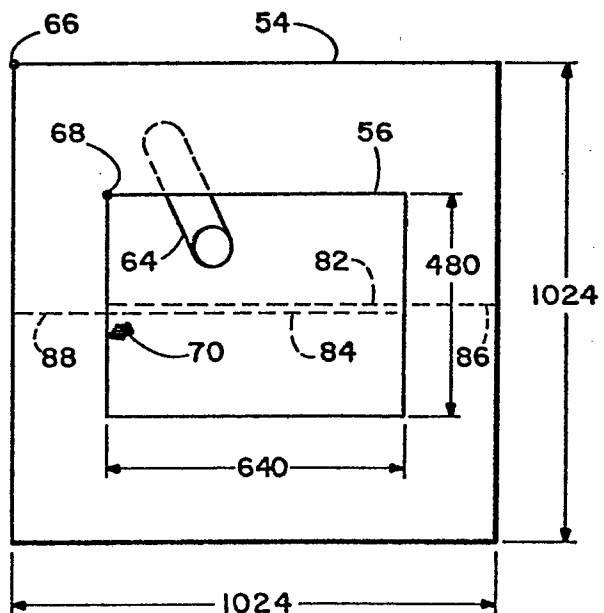
⑸ Designated Contracting States: **DE FR GB NL**

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⑸ **Display method and apparatus employing cursor panning.**

⑶ A graphics display device is provided with a graphical input device which cooperates with means for addressing the display device's bit map memory (58) so that a viewport (56) into the bit map memory (58) can be panned in conjunction with a cursor (70) controlled by the input device. In particular, if the input device is operated for moving the cursor within the viewport (56) displayed on a cathode-ray-tube screen until the edge of the viewport (56) is encountered, the addressing of the bit map memory (58) is changed whereby the whole viewport appears to be moved by the cursor (70). Thus, if a transition is made in cursor movement from a location «inside» the viewport (56) to a location «outside» the viewport, the viewport is redefined such that the cursor (70) falls just within the viewport, as long as the dimensions of the virtual screen in the bit map memory are not exceeded.



**EP 0 172 433 A3**



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	ELECTRONIC DESIGN, vol. 32, no. 14, July 1984, pages 175-180,182,184,186, Waseca, MN, Denville, NJ, US; R. PALM et al.: "LSI building blocks enhance performance of compact displays" * Page 175, right-hand column, line 4 - page 176, left-hand column, line 6; page 186, left-hand column, paragraph 4 - right-hand column, last paragraph *	1-4,9-13	G 09 G 1/00 G 09 G 1/16
Y	US-A-3 903 510 (ZOBEL) * Column 2, lines 1-56; claims 1-8; column 10, line 64 - column 11, line 42; column 8, line 20 - column 9, line 45 *	1-4,9-13	
Y	AFIPS CONFERENCE PROCEEDINGS, 1984 NATIONAL COMPUTER CONFERENCE, Las Vegas, Nevada, 9th-12th July 1984, pages 319-328, AFIPS Press, Reston, Virginia, US; E.W. BIRSS: "The integrated software and user interface of Apple's Lisa" * Page 323, right-hand column, paragraph 2 *	1-4,9-13	TECHNICAL FIELDS SEARCHED (Int. Cl.4)  G 09 G
A	GB-A-2 070 399 (XTRAK CORP.) * Page 2, lines 8-35; claims 1,4,12,13 *	1,2,10	
A	EP-A-0 051 291 (K.K. TOSHIBA) * Abstract; claims 1-3; page 2, lines 8-30 *	1,2,10	
A	WO-A-8 401 655 (WESTERN ELECTRIC CO., INC.)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11-01-1989	Examiner TIBAUX M.J.P.G.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

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