

Title (en)  
DISPLAY METHOD AND APPARATUS EMPLOYING CURSOR PANNING

Publication  
**EP 0172433 A3 19890405 (EN)**

Application  
**EP 85109231 A 19850723**

Priority  
US 63737584 A 19840802

Abstract (en)  
[origin: EP0172433A2] 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.

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**G09G 1/00**; **G09G 1/16**

IPC 8 full level  
**G09G 5/08** (2006.01); **G09G 5/14** (2006.01); **G09G 5/38** (2006.01)

CPC (source: EP)  
**G09G 5/08** (2013.01); **G09G 5/14** (2013.01)

Citation (search report)  
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• [A] GB 2070399 A 19810903 - XTRAK CORP  
• [A] EP 0051291 A2 19820512 - TOKYO SHIBAURA ELECTRIC CO [JP]  
• [A] WO 8401655 A1 19840426 - WESTERN ELECTRIC CO [US]  
• [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"  
• [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"

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**EP 85109231 A 19850723**; CA 487687 A 19850729; JP 16661685 A 19850727