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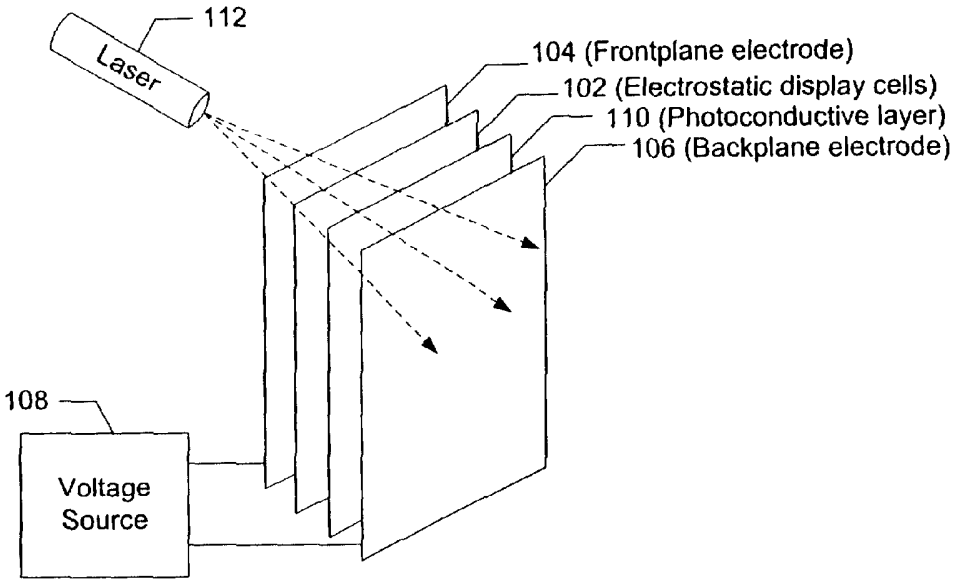
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(54) Title: METHODS AND APPARATUS FOR IMAGING ELECTRONIC PAPER



(57) Abstract: A system for imaging electronic paper is disclosed. The system places a photoconductive layer into the electronic paper. For example, a layer of selenium, cadmium sulfide, photoconductive silicon, or any organic photoconductor (OPC) may be used in the photoconductive layer. The entire electronic paper is exposed to the same electrical potential (not selectively in a grid), but the electrostatic display cells are insulated from the electrical potential by the photoconductive layer. The photoconductive layer is then selectively illuminated by a focused light source (e.g., a scanning laser beam), thereby exposing selected electrostatic display cells to the electrical potential and writing an image to the electronic paper. In this manner, electronic paper may be imaged using existing high-resolution laser printing mechanisms.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02F1/167 G02F1/01 G09F9/37

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)
IPC 7 G02F G09F

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)
WPI Data, PAJ, IBM-TDB, EPO-Internal, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 47970 A (E INK CORP) 23 September 1999 (1999-09-23)	15,16, 19-22, 24, 26-28, 30-36
Y	page 7, line 1 -page 8, line 12	29
A	page 9, line 18 -page 10, line 23 page 16, line 11 - line 13 page 16, line 22; figures 1,2	1,4-7, 9-13
X	US 5 566 012 A (KOSHIMIZU MINORU ET AL) 15 October 1996 (1996-10-15) column 6, line 23 - line 51 * embodiment 2 * column 7, line 50 - line 61; figures 3,4,6	16-19

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[X] Further documents are listed in the continuation of box C.

[ ] Patent family members are listed in annex.

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PCT/US 01/25879

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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