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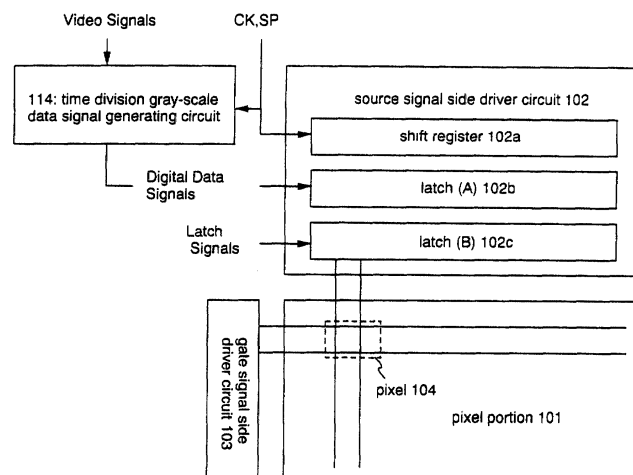
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(54) **Gradation control of a electroluminescent display device**

(57) An electro-optical device having a plurality of pixels including a plurality of EL elements, wherein the electro-optical device provides a gray scale display by controlling a period of time at which the plurality of the EL elements emit light in one frame period; the plurality of the EL elements have a first electrode and a second

electrode; the first electrode is held at a constant potential; and a potential of the second electrode changes in such a manner that a polarity of an EL driving voltage, which is a difference between the potentials applied to the first and second electrodes, is inverted for each one frame period.

Fig. 1





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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 8 May 2002	Examiner Farricella, L
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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专利名称(译)	电致发光显示装置的灰度控制		
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外部链接	Espacenet		

摘要(译)

一种电光装置，具有包括多个EL元件的多个像素，其中，电光装置通过控制多个EL元件在一个帧周期中发光的时间段来提供灰度显示。多个EL元件具有第一电极和第二电极；第一电极保持恒定电位；并且，第二电极的电位以这样的方式变化：EL驱动电压的极性，即施加到第一和第二电极的电位之间的差，在每一个帧周期反转。

Fig. 1

