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(30) Priority: **31.01.2000 JP 2000022762**

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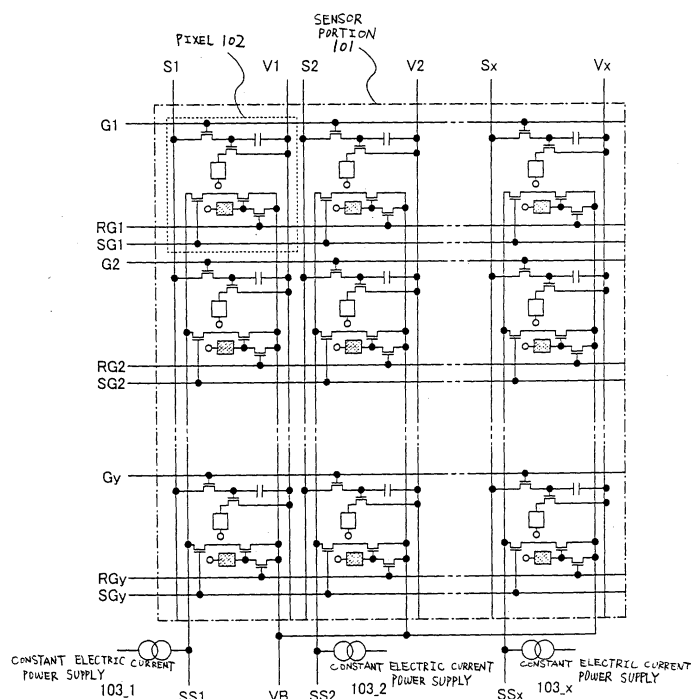
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(54) **Contact type area sensor and display device having contact type area sensor**

(57) A lightweight, thin, small size adhesion type area sensor is provided. A pixel of the area sensor has an EL element as a light source, and a photodiode as a

photoelectric conversion element. A TFT is used with the adhesion type area sensor for controlling the operation of the EL element and the photodiode.

Fig. 1



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EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 30 September 2005	Examiner Heising, S
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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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 2260

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 30 September 2005	Examiner Heising, S
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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专利名称(译)	接触式区域传感器和具有接触式区域传感器的显示装置		
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[标]申请(专利权)人(译)	株式会社半导体能源研究所		
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当前申请(专利权)人(译)	半导体能源研究所有限公司.		
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优先权	2000022762 2000-01-31 JP		
其他公开文献	EP1122792A2		
外部链接	Espacenet		

摘要(译)

提供轻质，薄，小尺寸粘合型区域传感器。区域传感器的像素具有EL元件作为光源，光电二极管作为光电转换元件。 TFT与粘附型区域传感器一起使用，用于控制EL元件和光电二极管的操作。

