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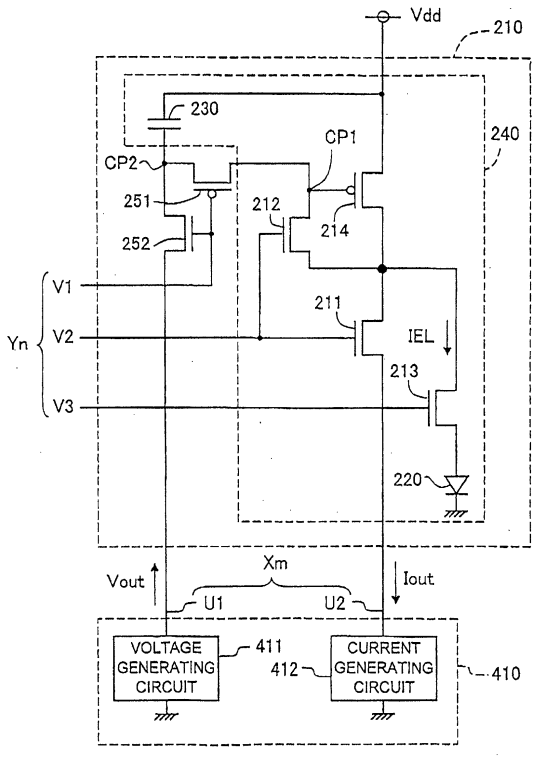
(54) Pixel circuit for light emitting element

(57) Pixel circuit 210 includes a current programming circuit 240 and voltage programming transistors 251 and 252. In order to set the tone of the light emission from the organic EL element 220, the first and second voltage programming transistors 251 and 252 are set to the OFF and ON state, respectively, and voltage programming is carried out using a voltage signal Vout. Next, the states of the first and second voltage programming transistors 251 and 252 are switched, and current programming is carried out using a current signal Iout.

Fig.3



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EUROPEAN SEARCH REPORT

Application Number
EP 02 25 8554

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P,X	WO 02/071379 A (EMAGIN CORP) 12 September 2002 (2002-09-12) * page 6, line 18 - page 7, line 11 * * page 14, line 5 - page 15, line 14 * * figure 5 *	7-9	
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02, 29 February 2000 (2000-02-29) & JP 11 311970 A (SONY CORP), 9 November 1999 (1999-11-09) * abstract *	1-9	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G09G
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	17 June 2004	van Wesenbeeck, R

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	用于发光元件的像素电路		
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[标]申请(专利权)人(译)	精工爱普生株式会社		
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当前申请(专利权)人(译)	SEIKO EPSON CORPORATION		
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代理机构(译)	斯特，CLIFFORD MARK		
优先权	2001379714 2001-12-13 JP		
其他公开文献	EP1321922B1 EP1321922A2		
外部链接	Espacenet		

摘要(译)

像素电路210包括电流编程电路240和电压编程晶体管251和252.为了设置来自有机EL元件220的光发射的色调，第一和第二电压编程晶体管251和252被设置为OFF和分别为ON状态，并且使用电压信号Vout执行电压编程。接下来，切换第一和第二电压编程晶体管251和252的状态，并且使用电流信号Iout执行电流编程。

Fig.3