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(54) **Display with aging correction circuit**

(57) A display includes an electroluminescent display panel containing a light emitting material; a video interface circuit for producing an analog video signal for driving the display; an age circuit for supplying a signal representing the age of the light emitting material; an aging correction circuit responsive to the age signal for

forming an analog aging correction signal, the aging correction circuit including, controller means responsive to the age signal for producing a digital correction value, and a digital to analog converter for converting the digital correction value to an analog correction signal; and a summing amplifier for summing the analog aging correction signal with the video signal.

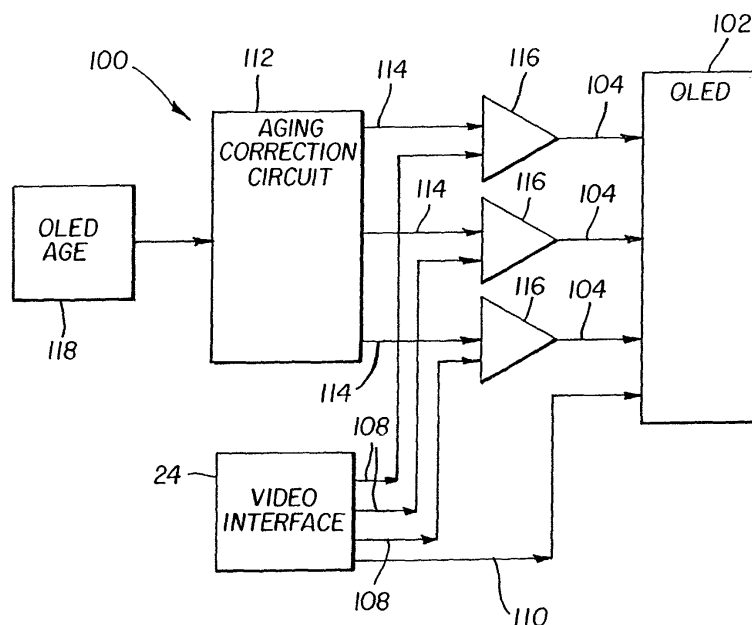


FIG. 2



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EUROPEAN SEARCH REPORT

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EP 02 07 8399

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 5 093 654 A (BAKER ROGER E ET AL) 3 March 1992 (1992-03-03)	1,4,6,7, 9,11-21, 31	G09G3/32 G09G3/30
Y	* column 5, line 1 - column 16, line 8; figures 1-7 *	2,3,5,8, 10, 22-30, 32-35	
D,Y	----- W0 99/41732 A (SARNOFF CORP) 19 August 1999 (1999-08-19) * page 15, line 30 - page 16, line 20; figures 1,2 *	2,3,5	
Y	----- EP 0 923 067 A (SEIKO EPSON CORP) 16 June 1999 (1999-06-16) * paragraphs [0010] - [0135]; figures 1-25 *	2,5, 22-30, 32-35	
D,Y	----- SALAM P: "OLED AND LED DISPLAYS WITH AUTONOMOUS PIXEL MATCHING" 2001 SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS. SAN JOSE, CA, JUNE 5 - 7, 2001, SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS, SAN JOSE, CA: SID, US, vol. 32, June 2001 (2001-06), pages 67-69, XP001054068 * page 67, column 1, line 1 - page 69, column 2, line 12 *	2,8,10	TECHNICAL FIELDS SEARCHED (IPC) G09G
Y	----- US 6 069 676 A (YUYAMA HARUMI) 30 May 2000 (2000-05-30) * column 3, line 17 - column 6, line 45; figures 1-17 * ----- -/--	8,10	
2 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 15 March 2006	Examiner Harke, M
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 Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 07 8399

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 0 561 599 A (SONY CORP) 22 September 1993 (1993-09-22) * column 5, line 2 - column 26, line 17; figures 1-26 * -----	1	
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 15 March 2006	Examiner Harke, M
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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EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 07 8399

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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15-03-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5093654	A	03-03-1992	NONE	
WO 9941732	A	19-08-1999	AU 2769099 A	30-08-1999
			AU 765771 B2	25-09-2003
			AU 3296999 A	30-08-1999
			CN 1291353 A	11-04-2001
			EP 1057220 A2	06-12-2000
			JP 2002503832 T	05-02-2002
			WO 9941788 A1	19-08-1999
			US 6897855 B1	24-05-2005
			US 2005078104 A1	14-04-2005
EP 0923067	A	16-06-1999	DE 69825402 D1	09-09-2004
			DE 69825402 T2	04-08-2005
			WO 9840871 A1	17-09-1998
			KR 2000010923 A	25-02-2000
			TW 397965 B	11-07-2000
			US 2002180721 A1	05-12-2002
US 6069676	A	30-05-2000	JP 10049074 A	20-02-1998
EP 0561599	A	22-09-1993	DE 69314370 D1	13-11-1997
			DE 69314370 T2	26-02-1998
			JP 5260386 A	08-10-1993
			US 5416516 A	16-05-1995

专利名称(译)	显示老化校正电路		
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发明人	FELDMAN, RODNEY D., C/O EASTMAN KODAK COMPANY		
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CPC分类号	G09G3/3216 G09G3/3225 G09G3/3275 G09G2320/0233 G09G2320/0285 G09G2320/029 G09G2320/043 G09G2320/048 G09G2320/0626 G09G2360/145 H05B45/24 H05B45/60		
优先权	09/940192 2001-08-27 US		
其他公开文献	EP1291840A2		
外部链接	Espacenet		

摘要(译)

显示器包括含有发光材料的电致发光显示板;视频接口电路,用于产生用于驱动显示器的模拟视频信号;用于提供表示发光材料的老化的信号的老化电路;响应于用于形成模拟老化校正信号的老化信号的老化校正电路,老化校正电路包括响应于年龄信号以产生数字校正值的控制器装置,以及用于将数字校正值转换为数字校正值的数模转换器。模拟校正信号;和求和放大器,用于将模拟老化校正信号与视频信号相加。

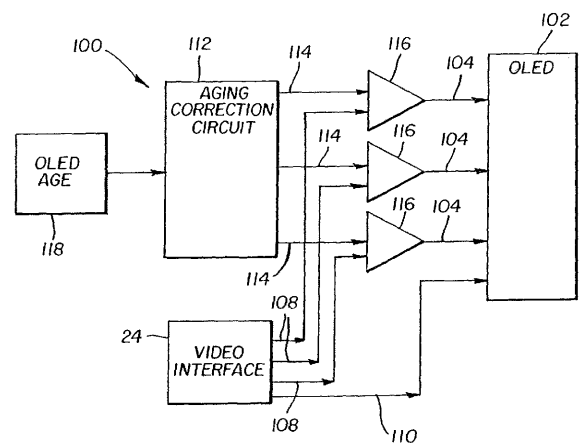


FIG. 2