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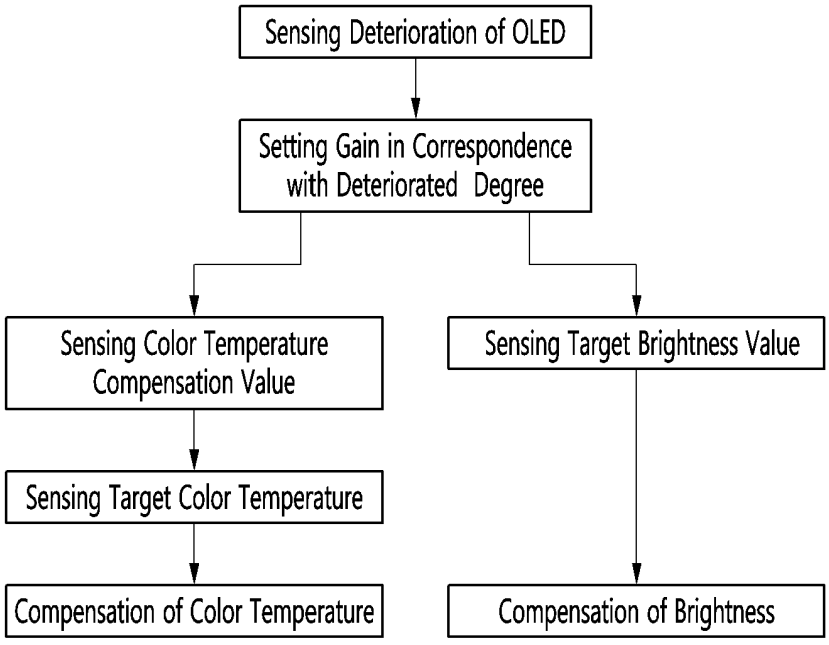
(54) ORGANIC LIGHT EMITTING DIODE DISPLAY DEVICE

(57) An organic light emitting diode display device is disclosed which adjusts brightnesses and color temperatures of RGBW data signals and matches the brightnesses of organic light emitting diodes and the color temperature of a white organic light emitting diode with the target brightness value and the target color temperature of a white pixel. As such, an overcompensation and the reduction of a lifespan can be prevented. Also, relatively high brightness and color temperature can be maintained.

FIG. 8B



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PARTIAL EUROPEAN SEARCH REPORT

under Rule 62a and/or 63 of the European Patent Convention. This report shall be considered, for the purposes of subsequent proceedings, as the European search report

Application Number
EP 15 19 7724

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 A	US 2013/147693 A1 (BAE HANJIN [KR]) 13 June 2013 (2013-06-13) * paragraph [0034] - paragraph [0075]; figures 1-13 * -----	1-4 5,6	INV. G09G3/3225 G09G3/20 G09G3/3233 G09G3/34

TECHNICAL FIELDS SEARCHED (IPC)

G09G

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

Place of search	Date of completion of the search	Examiner
Munich	7 July 2016	Gartlan, Michael

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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INCOMPLETE SEARCH
SHEET C

Application Number
EP 15 19 7724

Claim(s) completely searchable:
1-6

Claim(s) not searched:
7-13

Reason for the limitation of the search:

1 Rule 62a
1.1 The search division identified multiple independent claims (independent device claims 1, 7) in the same category and invited the applicant to indicate the claims on which the search is to be based. As no reply has been received within the period set in the communication dated 09.03.2016 , the search report has been drawn up on the basis of the first independent claim of each category (Rule 62a(1) EPC): independent device claim 1 .
The applicant's attention is drawn to the fact that the application will be further prosecuted on the basis of subject-matter for which a search has been carried out and that the claims should be limited to that subject-matter at a later stage of the proceedings (Rule 62a(2) EPC).

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 15 19 7724

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

07-07-2016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2013147693 A1	13-06-2013	CN 103165076 A	19-06-2013
		KR 20130064552 A	18-06-2013
		US 2013147693 A1	13-06-2013
		US 2016098954 A1	07-04-2016

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	有机发光二极管显示装置		
公开(公告)号	EP3040972A3	公开(公告)日	2016-08-10
申请号	EP2015197724	申请日	2015-12-03
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG DISPLAY CO. , LTD.		
当前申请(专利权)人(译)	LG DISPLAY CO. , LTD.		
[标]发明人	KIM TAE GUNG KIM JUNG HYEON		
发明人	KIM, TAE GUNG KIM, JUNG HYEON		
IPC分类号	G09G3/3225 G09G3/20 G09G3/3233 G09G3/34		
CPC分类号	G09G3/3225 G09G2300/0452 G09G2320/0242 G09G2320/0285 G09G2320/029 G09G2320/045 G09G2320/048 G09G2320/0626 G09G2320/0666 G09G2330/021 H01L27/32 H01L27/3202 H01L51/56 G09G3/2003 G09G3/3233 G09G3/3406 G09G2320/0233 G09G2320/064		
审查员(译)	GARTLAN , MICHAEL		
优先权	1020140191887 2014-12-29 KR		
其他公开文献	EP3040972B1 EP3040972A2		
外部链接	Espacenet		

摘要(译)

公开了一种有机发光二极管显示装置，其调节RGBW数据信号的亮度和色温，并使有机发光二极管的亮度和白色有机发光二极管的色温与目标亮度值和目标色温相匹配。一个白色的像素。这样，可以防止过度补偿和寿命缩短。而且，可以保持相对高的亮度和色温。

FIG. 8B