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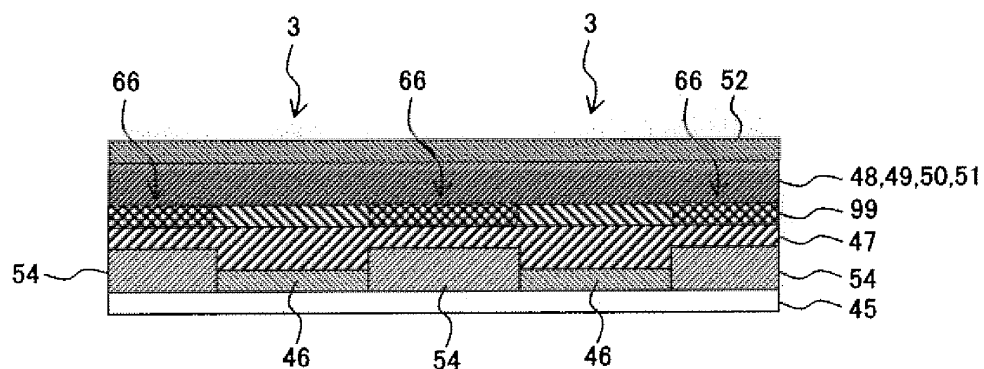
(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
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(54) **Light-emitting device and display panel**

(57) A display panel comprises a light extraction improving layer (99) that includes an oxide between an or-

ganic layer and a first electrode (46). The light extraction improving layer comprises a discontinuous portion (65).

[FIG. 45]





EUROPEAN SEARCH REPORT

Application Number
EP 13 19 2823

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	WO 2006/098188 A1 (IDEMITSU KOSAN CO [JP]; KUMA HITOSHI [JP]; FUKUOKA KENICHI [JP]; HOSOKI) 21 September 2006 (2006-09-21) * paragraphs [0037], [0088] - [0092], [0103]; example 1 *	1,2	INV. H05B33/24 H01L51/50 H01L51/52
A	REYNOLDS K J ET AL: "INORGANIC SOLUTION-PROCESSED HOLE-INJECTING AND ELECTRON-BLOCKING LAYERS IN POLYMER LIGHT-EMITTING DIODES", JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, vol. 92, no. 12, 15 December 2002 (2002-12-15), pages 7556-7563, XP001188154, ISSN: 0021-8979, DOI: 10.1063/1.1522812 * the whole document *	1,2	
A	CN 101 097 994 A (INST OF SEMICONDUCTORS CAS [CN]) 2 January 2008 (2008-01-02) * figure 1; example 1 *	1,2	TECHNICAL FIELDS SEARCHED (IPC)
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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 4 June 2014	Examiner Fratiloiu, Silvia
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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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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04-06-2014

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

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外部链接	Espacenet		

摘要(译)

显示面板包括光提取改进层 (99) , 其包括在有机层和第一电极 (46) 之间的氧化物。光提取改善层包括不连续部分 (65) 。

[FIG. 45]

