

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 89 7982

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 2008/023435 A1 (WU ENBOA [TW] ET AL) 31 January 2008 (2008-01-31) * abstract * * paragraph [0034] - paragraph [0040]; figure 2 * * paragraph [0041] - paragraph [0043]; figure 3 * * figure 4 *	1,4-11	INV. H01L33/32 H01L25/075 H01L33/00
X	US 2015/054008 A1 (RHEE BYUNGJOON [KR]) 26 February 2015 (2015-02-26) * abstract * * paragraph [0095] - paragraph [0106]; figure 6 *	1-4,8-11	
X	US 2011/151602 A1 (SPEIER INGO [CA]) 23 June 2011 (2011-06-23) * abstract * * paragraphs [0009], [0012] * * paragraph [0097] - paragraph [0101]; figures 8A-8E * * paragraphs [0107] - [0108]; figure 9B * * paragraph [0064]; figure 2C *	1,7-11	TECHNICAL FIELDS SEARCHED (IPC) H01L
A	WO 2014/046052 A1 (UNIV TOHOKU) 27 March 2014 (2014-03-27) * abstract * -& US 2015/228622 A1 (KOYANAGI MITSUMASA [JP] ET AL) 13 August 2015 (2015-08-13) * abstract * * paragraph [0123]; figure 9 *	6	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search The Hague		Date of completion of the search 20 October 2017	Examiner Dehestru, Bastien
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			

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

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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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20-10-2017

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专利名称(译)	微型led的转移方法，制造方法，装置和电子设备		
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[标]申请(专利权)人(译)	歌尔声学股份有限公司		
申请(专利权)人(译)	歌尔声学股份有限公司		
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[标]发明人	ZOU QUANBO WANG ZHE		
发明人	ZOU, QUANBO WANG, ZHE		
IPC分类号	H01L33/32		
CPC分类号	H01L25/0753 H01L33/0079 H01L33/0095 H01L33/20 H01L33/52 H01L33/62 H01L2224/16225 H01L2224/83192 H01L2933/005 H01L2933/0066		
其他公开文献	EP3221903A1 EP3221903B1		
外部链接	Espacenet		

摘要(译)

本发明公开了一种微型LED的转移方法，制造方法，装置和电子设备。转移微型LED的方法包括：在激光透明的原始基板上形成微型LED，其中微型LED是横向微型LED，其P电极和N电极位于一侧；使横向微型LED的P电极和N电极与预设在接收基板上的焊盘接触；用来自原始基板侧的激光照射原始基板，以从原始基板上剥离横向微型LED。使用横向微型LED的技术效果在于，可以省略微型LED转移后的N金属电极的处理。

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X	US 2011/151602 A1 (SPEIER INGO [CA]) 23 June 2011 (2011-06-23) * abstract * * paragraphs [0009], [0012] * * paragraph [0073] - paragraph [0101]; * figures 8A-8E * * paragraphs [0107] - [0108]; figure 9B * * paragraph [0064]; figure 2C *	1, 7 - 11	
A	WO 2014/046052 A1 (UNIV TOHOKU) 27 March 2014 (2014-03-27) * abstract * * US 2015/228622 A1 (KONAGI MITSUMASA [JP] ET AL.), 13 August 2015 (2015-08-13) * abstract * * paragraph 9 * * figure 9 *	6	H01L
The supplementary search report has been based on the text and drawings available at the start of the search.			
1	Date of completion of the search 20 October 2017		Examiner Dehestu, Bastien
2	CONVENTIONS OR TREATIES DOCUMENTED * priority claimed if known otherwise * priority claimed if		