

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 15 89 7981

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	REZA SAEIDPOURAZAR ET AL: "Laser-Driven Micro Transfer Placement of Prefabricated Microstructures", JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, IEEE SERVICE CENTER, US, vol. 21, no. 5, 1 October 2012 (2012-10-01), pages 1049-1058, XP011466143, ISSN: 1057-7157, DOI: 10.1109/JMEMS.2012.2203097	1,2,7-10	INV. H01L21/70 H01L33/00
Y	* paragraph [00II]; figures 4,5 * -----	3-5	
X	US 2010/258543 A1 (MIZUNO TAKESHI [JP] ET AL) 14 October 2010 (2010-10-14) * paragraphs [0029] - [0035]; figure 1 * -----	1,2,8-10	
Y	US 8 426 227 B1 (BIBL ANDREAS [US] ET AL) 23 April 2013 (2013-04-23) * column 19, lines 4-10 * -----	3-5	
A	VAL MARINOV ET AL: "Laser-Enabled Advanced Packaging of Ultrathin Bare Dice in Flexible Substrates", IEEE TRANSACTIONS ON COMPONENTS, PACKAGING AND MANUFACTURING TECHNOLOGY, IEEE, USA, vol. 2, no. 4, 1 April 2012 (2012-04-01), pages 569-577, XP011440143, ISSN: 2156-3950, DOI: 10.1109/TCPMT.2011.2176941 * figure 1 * -----	1,2,6-8	TECHNICAL FIELDS SEARCHED (IPC) H01L
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 21 March 2018	Examiner Pérennès, Frédéric
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.

EP 15 89 7981

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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21-03-2018

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2010258543	A1	14-10-2010	CN 101859728 A	13-10-2010
			JP 5444798 B2	19-03-2014
			JP 2010251359 A	04-11-2010
			US 2010258543 A1	14-10-2010

US 8426227	B1	23-04-2013	AU 2012339942 A1	05-06-2014
			AU 2015200891 A1	12-03-2015
			BR 112014011802 A2	09-05-2017
			CN 104094422 A	08-10-2014
			CN 104106132 A	15-10-2014
			EP 2780953 A1	24-09-2014
			JP 2015500562 A	05-01-2015
			KR 20140108228 A	05-09-2014
			KR 20140111254 A	18-09-2014
			MX 340348 B	06-07-2016
			TW 201327911 A	01-07-2013
			TW 201330323 A	16-07-2013
			TW 201332140 A	01-08-2013
			TW 201709559 A	01-03-2017
			US 8426227 B1	23-04-2013
			US 2013126589 A1	23-05-2013
			US 2013126827 A1	23-05-2013
			US 2013126891 A1	23-05-2013
			US 2013128585 A1	23-05-2013
			US 2014299837 A1	09-10-2014
			WO 2013074374 A1	23-05-2013
			WO 2013074375 A1	23-05-2013
			WO 2013074376 A1	23-05-2013

专利名称(译)	微型led的转移方法，制造方法，装置和电子设备		
公开(公告)号	EP3323145A4	公开(公告)日	2018-05-23
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CPC分类号	H01L24/97 H01L24/81 H01L24/83 H01L25/0753 H01L33/0079 H01L33/0095 H01L33/20 H01L33/62 H01L2224/81005 H01L2224/81143 H01L2224/81815 H01L2224/83005 H01L2224/83143 H01L2224/83851 H01L2224/95001 H01L2224/95144 H01L2224/95145 H01L2924/12041 H01L2933/0066		
其他公开文献	EP3323145A1		
外部链接	Espacenet		

摘要(译)

本发明公开了一种微LED的转移方法，制造方法，装置和电子设备。传输微LED的方法包括：在激光透明的原始基板上形成微LED;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微型LED;通过非接触动作使微型LED与预设在接收基板上的焊盘接触。

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Category	Relevant to claims	Relevant to claims	Relevant to claims
X	REZA SAEIDPOURAZAR ET AL.: "Laser-Driven Micro Transfer Placement of Prefabricated Microstructures", JOURNAL OF ELECTROMECHANICAL SYSTEMS, IEEE SERVICE CENTER, US, vol. 21, no. 5, 1 October 2012 (2012-10-01), pages 1069-1068, XP011466143, ISSN: 1057-7157, DOI: 10.1109/JMEMS.2012.2203097	1,2,7-10	INV. H01L21/70 H01L33/00
Y	US 2010/258543 A1 (NIZUNO TAKESHI [JP] ET AL.) 14 October 2010 (2010-10-14)	3-5	
X	"paragraphs [0025] - [0035]; Figure 1"	1,2,8-10	
Y	US 8 426 227 B1 (BIBI ANDREAS [US] ET AL.) 23 April 2013 (2013-04-23)	3-5	
A	VAL MARINOV ET AL.: "Laser-Enabled Advanced Packaging of Ultrathin Bare Dice in Flexible Substrates", IEEE TRANSACTIONS ON COMPONENTS, PACKAGING AND MANUFACTURING TECHNOLOGY (IEEE, USA), vol. 2, no. 4, 1 April 2012 (2012-04-01), pages 569-579, XP011440143, ISSN: 2156-3960, DOI: 10.1109/TCMT.2011.2176941	1,2,6-8	TECHNICAL FIELD (IPC) H01L
The supplementary search report has been based on the text set of claims valid at the start of the search.			
The Hague		21 March 2018	Examiner Pérénnès, Frédéric
1. Category of relevant documents: X: prior art documents, not published or, if published, not available to the public Y: prior art documents, published or, if published, available to the public A: documents of the same patent family, corresponding documents			