

SUPPLEMENTARY EUROPEAN SEARCH **REPORT**

Application number: EP 20 88 77 14

Classification of the application (IPC): F25D 29/00, F25D 31/00

Technical fields searched (IPC): F25D

DOCUMENTS CONSIDERED TO BE RELEVANT						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim				
Х	US 4358932 A (HELFRICH JR ROBERT C) 16 November 1982 (1982-11-16) * the whole document *	1-15				
X	US 2014320647 A1 (SEO WOONKYU [KR] ET AL) 30 October 2014 (2014-10-30) * the whole document *	1-15				
X	US 8734009 B2 (KELLY JASON MORGAN [US]; TOMS RAY ALAN [US] ET AL.) 27 May 2014 (2014-05-27) * the whole document *	1, 6-8, 13-15				
X	WO 2016188463 A1 (WANG RUI [CN]) 01 December 2016 (2016-12-01) * the whole document *	1, 5, 6, 8, 12-15				
Υ		2-4, 7, 9-11				
Υ	GB 2435528 A (VISUAL PRODUCTS LTD [GB]) 29 August 2007 (2007-08-29) * the whole document *	2, 9				
Y	CN 101604470 A (UNIV SHANGHAI SCIENCE & TECH [CN]) 16 December 2009 (2009-12-16) * the whole document *	3, 4, 7, 10, 11				

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Date of completion of the search Examiner Place of search The Hague 11 October 2023 Kolev, Ivelin

CATEGORY OF CITED DOCUMENTS

- X: particularly relevant if taken alone
 Y: particularly relevant if taken alone
 - particularly relevant if combined with another document of the same category
- technological background
- O: non-written disclosure
- &: member of the same patent family, corresponding document
- intermediate document
- theory or principle underlying the invention earlier patent document, but published on, or after the filing date
- document cited in the application
- L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY 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 11-10-2023

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4358932	Α	16-11-1982	NONE		
US 2014320647	A1	30-10-2014	KR US	20140127590 A 2014320647 A1	04-11-2014 30-10-2014
US 8734009	B2	27-05-2014	US WO	2013145324 A1 2013085865 A1	06-06-2013 13-06-2013
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GB 2435528	Α	29-08-2007	NONE		
CN 101604470	Α	16-12-2009	NONE		