



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 87 02 50

Classification of the application (IPC):

F21S 41/00, F21S 43/00, F21S 45/00, F21V 29/503, F21V 29/76, F21W 103/00, F21S
F21W 104/00, F21W 105/00, F21W 102/00, F21Y 115/10, F21Y 115/30,
F21S 45/47, F21S 41/147, F21S 41/148

Technical fields searched (IPC):

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	WO 2015176340 A1 (TIANJIN FONCOL TECHNOLOGY DEV CO LTD [CN]) 26 November 2015 (2015-11-26) * the whole document *	1, 3-8 2
A	DE 102011013211 A1 (AUTOMOTIVE LIGHTING REUTLINGEN [DE]) 06 September 2012 (2012-09-06) * the whole document *	1-8
A	KR 20150068143 A (SL CORP [KR]; SL SEOBONG CORP [KR]) 19 June 2015 (2015-06-19) * the whole document *	1-8

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 Munich	Date of completion of the search 28 April 2020	Examiner Schulz, Andreas
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	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 28-04-2020
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 2015176340	A1	26-11-2015	CN	203857379 U	01-10-2014
			WO	2015176340 A1	26-11-2015
DE 102011013211	A1	06-09-2012	CN	103443534 A	11-12-2013
			DE	102011013211 A1	06-09-2012
			EP	2683979 A1	15-01-2014
			US	2014016343 A1	16-01-2014
			WO	2012119976 A1	13-09-2012
KR 20150068143	A	19-06-2015	NONE		