



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 81 84 86

Classification of the application (IPC):

F21V 8/00, F21S 8/00, F21S 8/08, F21W 131/10, F21W 131/105, F21W 131/40, F21S, F21W, G02B
F21Y 115/10

Technical fields searched (IPC):

F21V 8/00, F21S 8/00, F21S 8/08, F21W 131/10, F21W 131/105, F21W 131/40, F21S, F21W, G02B
F21Y 115/10

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	US 2016187555 A1 (YUAN ZONGJIE [US] ET AL) 30 June 2016 (2016-06-30) * paragraph [0059] - paragraph [0095] * * figures 1-7 *	1-9, 11-15 10
X Y	US 2017031085 A1 (LIM JIN HONG [US] ET AL) 02 February 2017 (2017-02-02) * paragraph [0083] - paragraph [0099] * * paragraph [0138] * * figures 1-16C,37-43 *	1, 3-9, 11-15 10
X	US 2015253488 A1 (WILCOX KURT S [US] ET AL) 10 September 2015 (2015-09-10) * paragraph [0119] - paragraph [0139] * * figures 1-17 *	1, 2, 5-9, 11-15

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 08 February 2021	Examiner Demirel, Mehmet
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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 08-02-2021
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2016187555	A1	30-06-2016	NONE
US 2017031085	A1	02-02-2017	EP 3475605 A1 01-05-2019 US 2017031085 A1 02-02-2017 US 2019250324 A1 15-08-2019 WO 2017223506 A1 28-12-2017
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