



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 95 40 15

Classification of the application (IPC):
C11D 13/10

Technical fields searched (IPC):
C11D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	KR 101863207 B1 (MIN JAE SOOK [KR]) 31 May 2018 (2018-05-31) * paragraphs [0019] - [0028]; figure 1 *	1-14 15
A	ES 2596225 A1 (DEMARIA CASTANEDA IGNACIO [ES]; DOMINGUEZ AMILLANO DAVID [ES]) 05 January 2017 (2017-01-05) * page 4, line 31 - page 9, line 6; figures 2, 5 *	1-15
A	KR 20170003518 A (YUN HYE JEONG [KR]) 09 January 2017 (2017-01-09) * figures 1-2 * * paragraphs [0028] - [0045] *	1-15
X A	US 2011002820 A1 (DAWSON HOWARD BERNARD [GB] ET AL) 06 January 2011 (2011-01-06) * figure 1; example 4; table 2 *	15 1-14

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 07 May 2024	Examiner Agra-Gutierrez, C
------------------------------	---	-------------------------------

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

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 95 40 15

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 07-05-2024.
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
KR 101863207	B1	31-05-2018	NONE	
ES 2596225	A1	05-01-2017	NONE	
KR 20170003518	A	09-01-2017	NONE	
US 2011002820	A1	06-01-2011	CA 2715755 A1	27-08-2009
			EP 2254407 A2	01-12-2010
			GB 2457586 A	26-08-2009
			US 2011002820 A1	06-01-2011
			WO 2009103990 A2	27-08-2009