



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 85 75 06

Classification of the application (IPC):

A61M 5/162, A61M 39/02, A61M 5/142, A61M 5/158, A61M 5/32, A61M 25/06, A61M 5/46, A61B 5/00, A61B 5/145, A61M 5/172

Technical fields searched (IPC):

A61M 5/162, A61M 39/02, A61M 5/142, A61M 5/158, A61M 5/32, A61M 25/06, A61M 5/46, A61B 5/00, A61B 5/145, A61M 5/172

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2014324017 A1 (SCHOONMAKER RYAN [US] ET AL) 30 October 2014 (2014-10-30) * figures 1, 2, 3, 4, 5, 6, 7 * * paragraphs [0030] - [0048] *	1-15
X	US 2011054390 A1 (SEARLE GARY [US] ET AL) 03 March 2011 (2011-03-03) * figures 1A, 3C-E, 6G-H, 9 * * paragraphs [0041], [0045] - [0067], [0072] - [0073] *	1-15
A	US 2012259185 A1 (YODFAT OFER [IL] ET AL) 11 October 2012 (2012-10-11) * the whole document *	1-15
A	US 2012165725 A1 (CHOMAS JAMES E [US] ET AL) 28 June 2012 (2012-06-28) * the whole document *	1-15
A	US 2009012472 A1 (AHM THORKILD [DK] ET AL) 08 January 2009 (2009-01-08) * the whole document *	1-15

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 Munich	Date of completion of the search 29 April 2022	Examiner Benes, Václav
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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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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 2014324017	A1	30-10-2014	CA 2759585 A1	30-05-2012
			EP 2457605 A2	30-05-2012
			EP 3266478 A1	10-01-2018
			EP 3295978 A1	21-03-2018
			ES 2779875 T3	20-08-2020
			ES 2812802 T3	18-03-2021
			JP 5960418 B2	02-08-2016
			JP 2012115673 A	21-06-2012
			US 2012136300 A1	31-05-2012
			US 2014324017 A1	30-10-2014
US 2011054390	A1	03-03-2011	CA 2772496 A1	10-03-2011
			CA 3079579 A1	10-03-2011
			CN 102573810 A	11-07-2012
			CN 103877638 A	25-06-2014
			CN 107080879 A	22-08-2017
			CN 112370606 A	19-02-2021
			EP 2473162 A1	11-07-2012
			EP 3406278 A2	28-11-2018
			EP 3912657 A1	24-11-2021
			ES 2694079 T3	17-12-2018
			ES 2903438 T3	01-04-2022
			JP 5819833 B2	24-11-2015
			JP 6073975 B2	01-02-2017
			JP 6480480 B2	13-03-2019
			JP 2013503691 A	04-02-2013
			JP 2015186598 A	29-10-2015
			JP 2017094143 A	01-06-2017
JP 2019058713 A	18-04-2019			
US 2011054390 A1	03-03-2011			
US 2016279325 A1	29-09-2016			
WO 2011028278 A1	10-03-2011			
US 2012259185	A1	11-10-2012	AU 2010310941 A1	17-05-2012
			CN 102869400 A	09-01-2013
			DK 2493538 T3	02-05-2016
			EP 2493538 A1	05-09-2012
			US 2012259185 A1	11-10-2012
			WO 2011051940 A1	05-05-2011



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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	
US 2012165725	A1	28-06-2012	AU 2011338134 A1	12-07-2012
			BR 112013015915 A2	20-09-2016
			CA 2782089 A1	28-06-2012
			CA 3055649 A1	28-06-2012
			CN 103313663 A	18-09-2013
			EP 2504047 A2	03-10-2012
			KR 20140095013 A	31-07-2014
			MX 353501 B	16-01-2018
			US 2012165725 A1	28-06-2012
			US 2013197429 A1	01-08-2013
			US 2015238666 A1	27-08-2015
			US 2019151518 A1	23-05-2019
			WO 2012087506 A2	28-06-2012
			US 2009012472	A1
US 2009012472 A1	08-01-2009			
WO 2006032692 A1	30-03-2006			