



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 17 90 54 68

Classification of the application (IPC):  
A61M 25/00, A61B 50/33, A61F 13/38

Technical fields searched (IPC):  
A61B, A61M

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	WO 2015057999 A1 (BARD INC C R [US]) 23 April 2015 (2015-04-23) * abstract; figures 1-37 * * paragraphs [0007] - [0016], [0074] - [0078], [0084] - [0091], [0095], [0103], [0104], [0115], [0143], [0167], [0168], [0220] *	1-15
A	WO 2016126555 A1 (BARD INC C R [US]) 11 August 2016 (2016-08-11) * abstract; figures 1-5 * * paragraphs [0005] - [0008], [0049], [0052], [0053], [0067], [0086] *	1-15
A	US 2012145589 A1 (MACINNES SUSAN E [US] ET AL) 14 June 2012 (2012-06-14) * abstract; figures 1-46 * * paragraphs [0051], [0052], [0062], [0074] - [0076], [0083] - [0085], [0234] *	1-15
A	US 3851649 A (VILLARI F) 03 December 1974 (1974-12-03) * abstract; figure 1 * * the whole document *	1-15
A	US 2003159969 A1 (MCMICHAEL DONALD J [US] ET AL) 28 August 2003 (2003-08-28) * the whole document *	1, 12

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 25 November 2020	Examiner Moualed, Laura
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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 25-11-2020  
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2015057999	A1	23-04-2015	AU 2014337176 A1	14-04-2016
			AU 2019201681 A1	04-04-2019
			CA 2924505 A1	23-04-2015
			CN 105636633 A	01-06-2016
			EP 3057527 A1	24-08-2016
			JP 6491652 B2	27-03-2019
			JP 2016538018 A	08-12-2016
			JP 2019103839 A	27-06-2019
			US 2016228676 A1	11-08-2016
			US 2017216558 A1	03-08-2017
			US 2020353204 A1	12-11-2020
			WO 2015057999 A1	23-04-2015
			WO 2016126555	A1
CA 2975255 A1	11-08-2016			
CN 107405434 A	28-11-2017			
EP 3253427 A1	13-12-2017			
ES 2784521 T3	28-09-2020			
JP 2018503474 A	08-02-2018			
JP 2020044358 A	26-03-2020			
KR 20170110661 A	11-10-2017			
US 2017202698 A1	20-07-2017			
US 2017202699 A1	20-07-2017			
WO 2016126555 A1	11-08-2016			
US 2012145589	A1	14-06-2012	NONE	
US 3851649	A	03-12-1974	CA 1035653 A	01-08-1978
			US 3851649 A	03-12-1974
US 2003159969	A1	28-08-2003	MX PA03001119 A	06-10-2003
			US 2003159969 A1	28-08-2003