



SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

under Rule 62a and/or 63 of the European Patent Convention. This report shall be considered, for the purposes of subsequent proceedings, as the European search report

Application number:
EP 19 85 00 32

Classification of the application (IPC):
A61B 17/00, A61B 90/70, A61B 17/29, A61B 17/34, A61B 50/00

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	US 5611813 A (LICHTMAN PHILIP R [US]) 18 March 1997 (1997-03-18) * column 16, line 1 - column 17, line 40; figures 1,23,24 *	1-3, 5, 6
X	US 2005038413 A1 (SANSOUCY MICHAEL [US]) 17 February 2005 (2005-02-17) * figures 3,4 * * paragraph [0063] * * paragraph [0066] * * paragraph [0072] - paragraph [0075] *	1-4
X	US 4506544 A (SHIMIZU YOSHIHITO [JP]) 26 March 1985 (1985-03-26) * column 4, line 4 - line 60; figures 1-4 *	1-4
A	US 2017196566 A1 (SGROI ANTHONY [US]) 13 July 2017 (2017-07-13) * figures 2,3,7,10,15-17 * * paragraph [0039] - paragraph [0040] *	1-6

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R. 62a, 63) has been carried out.

Claim(s) completely searchable:1-6

Claim(s) not searched:7-15

Reason for the limitation of the search:

[0001] In reply to the invitation pursuant to Rules 62a and 63(1) EPC the applicant requested in the letter dated 20.05.2022 to carry out the search on the basis of independent claim 1. The search has therefore been carried out accordingly. Dependent claims 2-4 served as well a basis for the search as they depend on claim 1. The applicant did not mention any method claim to be searched. As Rule 62a only relates to multiple claims in a given category, the first independent method claim has been included in the search, namely claim 5, together with its dependent claim, namely claim 6.

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 07 July 2022	Examiner Roudaut, Tanguy
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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 PARTIAL
EUROPEAN SEARCH REPORT**

 Application number:
EP 19 85 00 32

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 07-07-2022.
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 5611813	A	18-03-1997	US 5611813 A	18-03-1997
			US 5620459 A	15-04-1997
US 2005038413	A1	17-02-2005	AT 457765 T	15-03-2010
			AU 2004266633 A1	03-03-2005
			CA 2535068 A1	03-03-2005
			EP 1656175 A1	17-05-2006
			ES 2341173 T3	16-06-2010
			JP 4420926 B2	24-02-2010
			JP 2007502164 A	08-02-2007
			US 2005038413 A1	17-02-2005
			WO 2005018726 A1	03-03-2005
US 4506544	A	26-03-1985	AT 24356 T	15-01-1987
			EP 0089823 A2	28-09-1983
			JP H0120612 B2	18-04-1989
			JP S58159720 A	22-09-1983
			US 4506544 A	26-03-1985
US 2017196566	A1	13-07-2017	AU 2016277583 A1	27-07-2017
			CA 2954381 A1	13-07-2017
			EP 3192462 A1	19-07-2017
			JP 7061430 B2	28-04-2022
			JP 2017124167 A	20-07-2017
			JP 2021073042 A	13-05-2021
			US 2017196566 A1	13-07-2017
			US 2020138442 A1	07-05-2020