

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/068005

**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: **10-12**  
because they relate to subject matter not required to be searched by this Authority, namely:  
PCT Rule 39.1(iv) – Methods for treatment of the human or animal body by therapy
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
A61M 1/14(2006.01)i; F04B 43/067(2006.01)i; F04B 49/12(2006.01)i; F04B 49/14(2006.01)i; F04B 49/16(2006.01)i		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) A61M; F04B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2013006171 A1 (GRIESSMANN ERIK [DE] ET AL) 03 January 2013 (2013-01-03) paragraph [0030] - paragraph [0034] paragraph [0136] - paragraph [0140] paragraph [0171] - paragraph [0176] figure 11	1-9
A	WO 2016059614 A2 (DEBIOTECH SA [CH]) 21 April 2016 (2016-04-21) page 16, line 4 - page 19, line 26	1-9
A	WO 2013045711 A1 (FRAUNHOFER GES FORSCHUNG [DE]; GENTISCHER HARALD [DE]; BIRO DANIEL [DE]) 04 April 2013 (2013-04-04) the whole document	1-9
A	US 3204631 A (FIELDS LOUIS G) 07 September 1965 (1965-09-07) column 5, line 22 - line 43; figures 1, 2	1-9
A	US 2003136189 A1 (LAUMAN BRIAN [US] ET AL) 24 July 2003 (2003-07-24) paragraph [0132] - paragraph [0149]	1-9
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search <b>18 September 2018</b>		Date of mailing of the international search report <b>28 September 2018</b>
Name and mailing address of the ISA/EP <b>European Patent Office p.b. 5818, Patentlaan 2, 2280 HV Rijswijk Netherlands</b> Telephone No. (+31-70)340-2040 Facsimile No. (+31-70)340-3016		Authorized officer <b>Chevtchik, Natalia</b>  Telephone No.

**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/EP2018/068005**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
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				DE	102011105916	A1	03 January 2013
				EP	2726120	A1	07 May 2014
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				JP	6347865	B2	27 June 2018
				JP	2014523303	A	11 September 2014
				JP	2017140437	A	17 August 2017
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				WO	2013000569	A1	03 January 2013
				WO	2016059614	A2	21 April 2016
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				EP	1469895	A1	27 October 2004
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				US	2003136189	A1	24 July 2003
				WO	03061733	A1	31 July 2003