

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P5797PC00		FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/AU2020/050545	International filing date (<i>day/month/year</i>) 29 May 2020	(Earliest) Priority Date (<i>day/month/year</i>) 31 May 2019	
Applicant METIER MEDICAL LIMITED			
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of 10 sheets. ☐ It is also accompanied by a copy of each prior art document cited in this report.			
1. Basis of the report a. With regard to the language, the international search was carried out on the basis of: ☒ The international application in the language in which it was filed. ☐ A translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)). b. ☐ This international search report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)). c. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. 2. ☐ Certain claims were found unsearchable (See Box No. II). 3. ☐ Unity of invention is lacking (See Box No. III). 4. With regard to the title, ☒ the text is approved as submitted by the applicant. ☐ the text has been established by this Authority to read as follows: 5. With regard to the abstract, ☒ the text is approved as submitted by the applicant. ☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. 1 ☒ as suggested by the applicant. ☐ as selected by this Authority, because the applicant failed to suggest a figure. ☐ as selected by this Authority, because this figure better characterizes the invention. b. ☐ none of the figures is to be published with the abstract.			

A. CLASSIFICATION OF SUBJECT MATTER

A61M 5/32 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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)

EPODOC: CPC A61M 5/321, A61M 5/3216, A61M 2005/3217, A61M 5/3219 and **keywords** (lid, cover, cap, shield+, hinge+, pivot+, rotat+, turn+, second+ 5d position+, first 3d cover+, second 3d cover+) and similar words; **TXTE:** Keywords: ((needle? 2d (lid, cover, cap, shield+)), hinge+, pivot+, rotat+, turn+, second+ 5d position+, first 5d position+, intermed+ 5d position+, (temporar+ 3d (cover+, shield+, cap+))) and similar words; **Inventors:** HOWELLS GRANT RAYMOND; MINIX LARRY; NIESIOBEDZKI KRZYSZTOF; **Applicant:** *METIER MEDICAL LIMITED*;

Applicant and inventor names searched in **EPODOC**, **Espacenet** and **internal databases** provided by IP Australia.**Google Scholar and Espacenet:** Search words: (lid, cover, cap, shield+) and (hinge+, pivot+, rotat+, turn+) and (Second+ 5d position+) and similar words

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Documents are listed in the continuation of Box C	



Further documents are listed in the continuation of Box C



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	"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
"D" document cited by the applicant in the international application	"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
"E" earlier application or patent but published on or after the international filing date	"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
"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)	"&" document member of the same patent family
"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	

Date of the actual completion of the international search 31 July 2020	Date of mailing of the international search report 31 July 2020
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA Email address: pct@ipaustalia.gov.au	Authorised officer Karen Violante AUSTRALIAN PATENT OFFICE (ISO 9001 Quality Certified Service) Telephone No. +61262837933

INTERNATIONAL SEARCH REPORT		International application No.
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		PCT/AU2020/050545
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2018/109470 A2 (STAR SYRINGE LIMITED) 21 June 2018 Abstract; Figures and related text; claims	1 to 21
X	WO 2017/129968 A2 (STAR SYRINGE LIMITED) 03 August 2017 Abstract; Figures and related text; claims	1 to 21
X	EP 0832660 A2 (BECTON, DICKINSON AND COMPANY) 01 April 1998 Abstract; Figures and related text; claims	1 to 21
X	US 2017/0258990 A1 (WEI) 14 September 2017 Abstract; Figures and related text; claims	1 to 21
X	US 2002/0161336 A1 (CRAWFORD et al.) 31 October 2002 Abstract; Figures and related text; claims	1 to 21
X	EP 2397181 A1 (F. HOFFMANN-LA ROCHE AG et al.) 21 December 2011 Abstract; Figures and related text; claims	1 to 21
X	WO 2010/059415 A2 (B. BRAUN MELSUNGEN AG) 27 May 2010 Abstract; Figures and related text; claims	1 to 21
X	WO 2008/076459 A1 (MELSUNGEN AG, B., BRAUN) 26 June 2008 Abstract; Figures and related text; claims	1 to 21
A	GB 2532979 A (OWEN MUMFORD LIMITED) 08 June 2016 Whole document	1 to 21
A	US 5643219 A (BURNS) 01 July 1997 Figures	1 to 21
A	WO 2009/007718 A1 (STAR SYRINGE LIMITED) 15 January 2009 Figures	1 to 21
A	EP 0724890 A1 (BECTON, DICKINSON AND COMPANY) 07 August 1996 Figures	1 to 21
A	US 2012/0323216 A1 (KOH) 20 December 2012 Figures	1 to 21
A	WO 2010/059345 A2 (B. BRAUN MELSUNGEN AG) 27 May 2010 Figures	1 to 21
A	US 5490841 A (LANDIS) 13 February 1996 Figures	1 to 21
Form PCT/ISA/210 (fifth sheet) (July 2019)		

INTERNATIONAL SEARCH REPORT		International application No.	
Information on patent family members		PCT/AU2020/050545	
This Annex lists known patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.			
Patent Document/s Cited in Search Report		Patent Family Member/s	
Publication Number	Publication Date	Publication Number	Publication Date
WO 2018/109470 A2	21 June 2018	WO 2018109470 A2	21 Jun 2018
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Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.			

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Publication Number	Publication Date	Publication Number	Publication Date
		EP 2355871 A2	17 Aug 2011
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US 5490841 A	13 February 1996	US 5490841 A	13 Feb 1996
End of Annex			
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