

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FR2019/052806

A. CLASSIFICATION OF SUBJECT MATTER**H01M 2/02**(2006.01)i; **H01M 2/10**(2006.01)j

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)

H01M

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2016164149 A1 (HODGE JAMES D [US] ET AL) 09 June 2016 (2016-06-09) paragraphs [0001] - [0003], [0013] - [0015], [0017], [0019] - [0022], [0027], [0030] figures 1,2	1-6,9,11-13 7,8
A	US 2011236740 A1 (PAOLAZZI DAVID [US] ET AL) 29 September 2011 (2011-09-29) the whole document	1-13
A	US 4460663 A (STUTZBACH RONALD J [US] ET AL) 17 July 1984 (1984-07-17) the whole document	1-13
A	US 4587183 A (MCCARTNEY JR CHARLES P [US]) 06 May 1986 (1986-05-06) the whole document	1-13

 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

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“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

23 April 2020

Date of mailing of the international search report

06 May 2020

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/FR2019/052806

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
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				KR	20170096123	A	23 August 2017
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				DE	3463989	D1	02 July 1987
				EP	0115878	A1	15 August 1984
				US	4460663	A	17 July 1984
				NONE			
US	4587183	A	06 May 1986	NONE			