

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2019/079107

A. CLASSIFICATION OF SUBJECT MATTER*A61M 5/152*(2006.01)i; *A61M 5/168*(2006.01)i; *G05D 7/00*(2006.01)n

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)

A61M; G05D

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	EP 1321156 A1 (WEX ROLAND [DE]) 25 June 2003 (2003-06-25) paragraphs [0021] - [0027]; figures 1-5	1-9
X	US 2004171987 A1 (BRIDLE MARK [US] ET AL) 02 September 2004 (2004-09-02) paragraphs [0051] - [0053]; figures 1-3,5	1-9
X	US 3468308 A (BIERMAN HOWARD R) 23 September 1969 (1969-09-23) figure 13	1-9
A	DE 2337947 A1 (BOSCH GMBH ROBERT) 13 February 1975 (1975-02-13) page 4, last paragraph - page 5; figure 1	1-9
A	CA 1243251 A (BRUNSWICK VALVE & CONTROL) 18 October 1988 (1988-10-18) figures 1-3	1-9
A	CN 101025236 A (YANG KEQING [CN]) 29 August 2007 (2007-08-29) figures 3,4	1-9

 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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“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

05 February 2020

Date of mailing of the international search report

12 February 2020

Name and mailing address of the ISA/EP

European Patent Office
p.b. 5818, Patentlaan 2, 2280 HV Rijswijk
Netherlands

Telephone No. (+31-70)340-2040

Facsimile No. (+31-70)340-3016

Authorized officer

Krassow, Heiko

Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
EP	1321156	A1	25 June 2003	NONE	
US	2004171987	A1	02 September 2004	NONE	
US	3468308	A	23 September 1969	NONE	
DE	2337947	A1	13 February 1975	DE 2337947 A1	13 February 1975
				JP S5043530 A	19 April 1975
CA	1243251	A	18 October 1988	BR 8506815 A	25 November 1986
				CA 1243251 A	18 October 1988
				EP 0188461 A1	30 July 1986
				JP S61502988 A	18 December 1986
				WO 8600731 A1	30 January 1986
CN	101025236	A	29 August 2007	NONE	