

INTERNATIONAL SEARCH REPORT

International application No PCT/GB2011/050947

A. CLASSIFICATION OF SUBJECT MATTER
 INV. F04C18/02 F01C21/00 F01C21/02
 ADD.

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)
 F04C F01C

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	GB 1 331 166 A (PFEIFFER VAKUUMTECHNIK) 26 September 1973 (1973-09-26) figures 1-4 page 2, line 17 - page 3, line 47 -----	1-7
X	EP 2 088 327 A1 (VARIAN SPA [IT] AGILENT TECHNOLOGIES ITALIA S P A [IT]) 12 August 2009 (2009-08-12) figures 2, 2A, 4A, 4B paragraph [0027] - paragraph [0034] paragraph [0046] - paragraph [0048] -----	1-3,5-7
X	US 2 521 638 A (MAGNUS LAMM AKE) 5 September 1950 (1950-09-05) figures 1,2 column 2, line 26 - column 3, line 4 ----- -/--	1-3,5,6

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
"E" earlier application or patent but published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"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 10 December 2012	Date of mailing of the international search report 18/12/2012
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Durante, Andrea
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International application No PCT/GB2011/050947

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 369 059 A1 (VOUMARD MACHINES CO SA [CH]) 26 May 1978 (1978-05-26) figure 3 page 7, line 20 - page 9, line 23 -----	1-3,5,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
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			CA 943112 A1	05-03-1974
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