



(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
23.12.1998 Bulletin 1998/52

(51) Int Cl.⁶: F04C 18/16, F04C 29/06

(43) Date of publication A2:
11.03.1998 Bulletin 1998/11

(21) Application number: 97306761.4

(22) Date of filing: 02.09.1997

(84) Designated Contracting States:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE
Designated Extension States:
AL LT LV RO SI

(72) Inventor: Takei, Nobuo
Urayasu-shi, Chiba-ken (JP)

(74) Representative: Jennings, Nigel Robin et al
KILBURN & STRODE
20 Red Lion Street
London WC1R 4PJ (GB)

(30) Priority: 09.09.1996 JP 238065/96

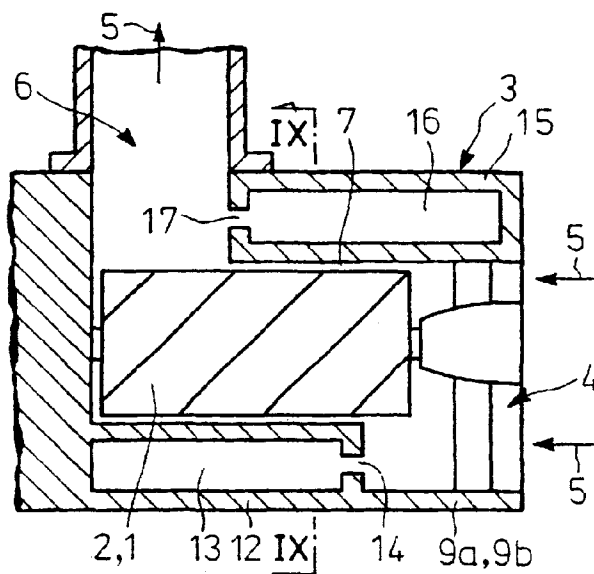
(71) Applicant: ISHIKAWAJIMA-HARIMA
JUKOGYO KABUSHIKI KAISHA
Chiyoda-ku Tokyo 100 (JP)

(54) Lysholm compressors

(57) A Lysholm compressor comprises male and female rotors (1,2) which are rotatably accommodated within a casing structure comprising two part-cylindrical walls (9a,9b) which constitute a casing (3) and merge together at two cusps (10,11) which project inwardly towards one another. A suction port (4) and a discharge port (6) are provided at respective axial ends of the cas-

ing (3). A silencer chamber (13,14) is defined between at least one of the cusps (10,11) and respective associated outer wall portions (12, 15) which are situated outside the associated cusp and are integral with the casing (3). The or each silencer chamber (13,16) has a respective opening (14,17) which communicates with the suction port (4) and the discharge port (6), respectively.

FIG. 8





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 30 6761

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	PATENT ABSTRACTS OF JAPAN vol. 95, no. 11, 26 December 1995 -& JP 07 217563 A (EBARA CORP.), 15 August 1995 * abstract *	1-4
A	PATENT ABSTRACTS OF JAPAN vol. 9, no. 34 (M-357), 14 February 1985 & JP 59 176490 A (TOYODA JIDO SHOKKI SEISAKUSHO K.K.), 5 October 1984 * abstract *	1
A	DE 90 06 233 U (H. SPELLEKEN NACHF. LUFTECHNIK GMBH) 26 September 1991 * claim 1; figure 4 *	1,2
A	DE 12 58 543 B (PHILIPP BORMUTH) * the whole document *	1,2
A	US 5 312 235 A (MCHUGH) 17 May 1994	
		TECHNICAL FIELDS SEARCHED (Int.Cl.6)
		F04C
The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
THE HAGUE	2 November 1998	Dimitroulas, P
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		& : member of the same patent family, corresponding document

EPO FORM 1503 03/82 (P04C01)