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14.07.93 Bulletin 93/28(71) Applicant: **ING. ENEA MATTEI S.p.A.**
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I-20123 Milano (IT)(54) **Dry rotary vane compressor.**

(57) A rotary vane compressor in which the lubricating oil is kept separate from the pressurized fluid. The compressor comprises a stator (10) defining a chamber (14) delimited by a cylindrical wall in which a hollow rotor (15) eccentrically rotates; the rotor (15) is provided with vanes (19) sliding in corresponding longitudinal slots (18). Cam means (29) are provided within the hollow rotor (15) to cause the vanes (19) to slide radially and to hold their edge in very close proximity to the internal wall of the stator chamber (14).

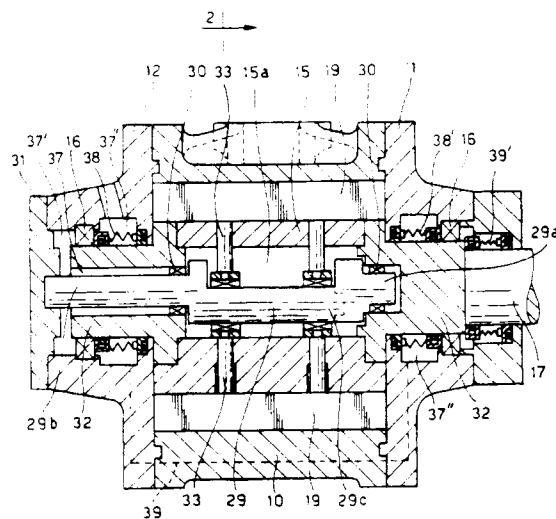


Fig. 1

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
Y	FR-A- 420 921 (CONDENSATIONSBAU-GESELLSCHAFT) * Page 1, line 14 - page 2, line 32; figures *	1-4	F 04 C 18/352
Y	US-A-2 909 397 (BROWN) * Column 2, lines 8-19; figures 1,2; column 3, lines 16-31 *	1-4	
A	BE-A- 402 764 (BEUDELS) * Page 4, lines 7-14; figures 1,2; page 6, lines 6-17 *	1	
Y	US-A-3 764 241 (CARTLAND) * Column 1, lines 11-23; column 2, lines 47-56; figure 2 *	1,15,16 ,17,18	
Y	US-A-2 031 125 (PESCHL) * Page 6, right-hand column, line 43 - page 7, left-hand column, line 16; figures 29-33 *	15	
Y	US-A-3 279 387 (McGILL) * Column 2, line 60 - column 3, line 26; figures 2,3; column 3, line 34 - column 4, line 11; figures 4,5 *	16,17, 18	TECHNICAL FIELDS SEARCHED (Int. Cl. 5) F 04 C F 01 C
A	US-A-3 065 708 (ROTH) * Column 1, line 49 - column 2, line 5; column 5, lines 5-45; figures 1,4 *	15,16	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19-01-1993	Examiner KAPOULAS T
CATEGORY OF CITED DOCUMENTS 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 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 & : member of the same patent family, corresponding document			



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
A	US-A-4 355 965 (LOWTHER) * Column 2, lines 3-30; figures 4-7 * -----	15	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 5)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19-01-1993	Examiner KAPOULAS T
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