

⑫

EUROPEAN PATENT APPLICATION

②① Application number: **81201136.9**

⑤① Int. Cl.³: **F 01 C 1/16**

②② Date of filing: **12.10.81**

③③ Priority: **02.02.81 NL 8100497**
30.03.81 NL 8101575
31.07.81 NL 8103642

⑦① Applicant: **Delta Screw Nederland B.V., Dordsestraat 3, NL-7811 LA Emmen (NL)**

④③ Date of publication of application: **18.08.82**
Bulletin 82/33

⑦② Inventor: **Bloemendal, Berend Jan, Borgerbrink 68, 7812 NE Emmen (NL)**
 Inventor: **Grootte Bromhaar, Marinus Johannes, Breemarsweg 638, 7555 PJ Hengelo (NL)**

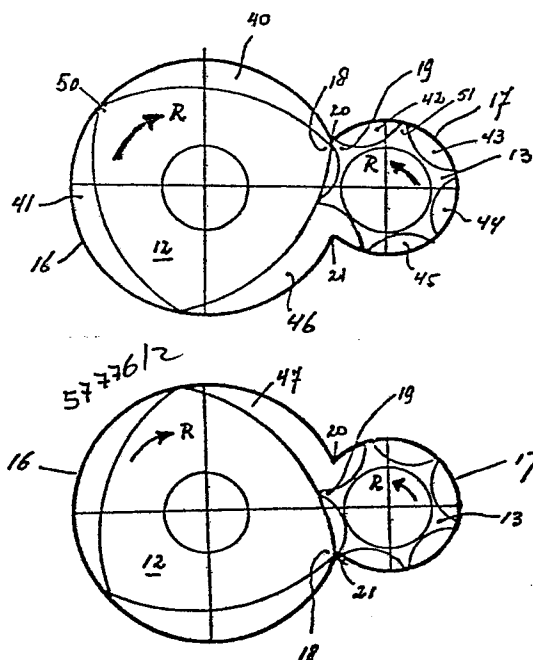
⑧④ Designated Contracting States: **AT BE CH DE FR GB IT LI LU NL SE**

⑧⑧ Date of deferred publication of search report: **22.09.82 Bulletin 82/38**

⑦④ Representative: **Urbanus, Henricus Maria, Ir. et al, c/o Verenigde Octroolbureaux Nieuwe Parklaan 107, NL-2587 BP 's-Gravenhage (NL)**

⑤④ **Apparatus through which a fluid can flow under counter-pressure.**

⑤⑦ An apparatus through which a fluid can flow under counter-pressure, such as a screw-type compressor, comprising at least one male (12), and one female rotor (13), having on the side faces thereof enmeshing profilings, said rotors being rotatable in partially overlapping cylindrical spaces (16, 17) disposed within the compressor housing, while the profilings of the male rotor and of the female rotor have such a shape that when the two rotors are rolling on each other in the common area (20, 21) of the cylinders, the bottom and walls of the channel-shaped profiling (19) of the female rotor are in contact with crests (18) forming part of the profiling of the male rotor, with formation of a linear seal.





European Patent
Office

EUROPEAN SEARCH REPORT

0057776
Application number
EP 81 20 1136

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. 3)
X	<p><u>FR - A - 967 547</u> (WRIGHT AERONAUT. CORP.)</p> <p>* page 4, especially left-hand column, second and third paragraph and page 5, especially right-hand column, second paragraph; figures 1 to 7; page 3, two last paragraphs; page 1, two first paragraphs *</p> <p>& US - A - 2 652 192</p> <p>--</p>	1,2,3, 4,7,8	F 01 C 1/16
X	<p><u>US - A - 2 243 874</u> (LYSHOLM)</p> <p>* page 3, especially left-hand column, last paragraph; figure 4 and right-hand column, two first paragraphs, figure 7*</p> <p>--</p>	1,2,3, 5,7	<p>TECHNICAL FIELDS SEARCHED (Int. Cl. 3)</p> <p>F 01 C F 04 C</p>
Y	<p><u>US - A - 1 991 541</u> (CANNIZZARO)</p> <p>* page 2, right-hand column, lines 12 to 26; figure 4; pages 3,4; figures 14 to 27 *</p> <p>--</p>	1,2,5, 7	
Y	<p><u>FR - A - 953 057</u> (AKTIEBOLAGET LJUNGSTROMS ANGTURBIN)</p> <p>* page 4, last paragraph; page 5, left-hand column, figures 3,4,5; page 8, second paragraph; figure 8a *</p> <p>& NL - A - 133 426 -- ./. .</p>	1,2,3, 5,6,7, 8	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search May 26, 1982	Examiner KAPOULAS
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	<u>DE - A - 2 004 755</u> (PLENTY & SON) * page 3, first paragraph; figures * & NL - A - 70 01 312 --	6	
Y	<u>FR - A - 2 259 986</u> (SVENSKA) * page 1, first paragraph * --	8,9	TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
Y	<u>US - A - 3 386 245</u> (GAMAGE) * column 1, lines 30 to 34; column 2, lines 37 to 40; column 5, two last paragraphs; column 6, three first paragraphs; figure 1 * -----	8,9, 10	