

12

EUROPEAN PATENT APPLICATION

21 Application number: **80200272.5**

51 Int. Cl.³: **F 25 B 43/02**

22 Date of filing: **21.03.80**

30 Priority: **23.03.79 NL 7902319**

71 Applicant: **GRASSO'S KONINKLIJKE
MACHINEFABRIEKEN N.V., Parallelweg 27 P.O. Box 343,
NL-5201 AH 's-Hertogenbosch (NL)**

43 Date of publication of application: **01.10.80**
Bulletin 80/20

72 Inventor: **Ten Hacken, Johannes Gerardus,
Philips 2 Straat 17, NL-5216 AG 's-Hertogenbosch (NL)**

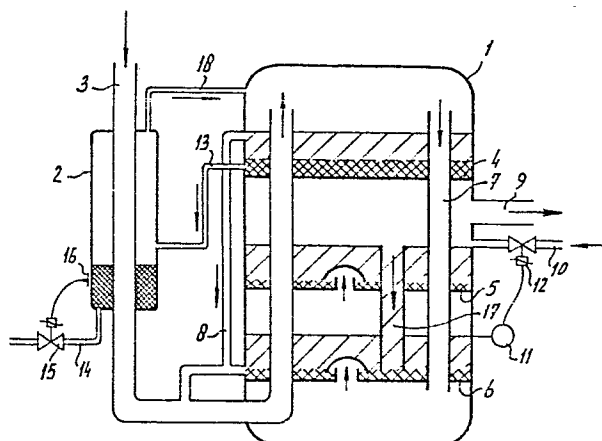
84 Designated Contracting States: **AT BE CH DE FR GB IT
LU NL SE**

88 Date of deferred publication of search
report: **10.12.80 Bulletin 80/25**

74 Representative: **van der Beek, George Frans, Ir. et al,
Nederlandsch Octrooibureau P.O. Box 29720,
NL-2502 LS The Hague (NL)**

54 **A device for separating oil from a refrigerant.**

57 Device for separating oil from a refrigerant comprising a separator (1) and a heat exchanger (2), said separator (1) having an inlet (3) passing through the heat exchanger (2) for refrigerant including oil from a compressor, and an outlet (13) for the separated oil to be returned to the compressor, whereby the separator comprises a primary and a secondary section, the primary section being located above the secondary section and the oil-rich mixture of refrigerant and oil formed in the primary section being passed through the outlet (13) to the heat exchanger (2), where the refrigerant is evaporated by the heat of the refrigerant and oil passing through the inlet (3) and whereby liquid refrigerant is continuously discharged from the separator (1) through a line (8) and is returned to the inlet (3) on a constant amount.





European Patent
Office

EUROPEAN SEARCH REPORT

0016509
Application Number
EP 80 20 0272

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	
	<u>US - A - 3 534 564</u> (MILLER) * Column 2, line 53 - column 6, line 5; figures 1-4 *	1	F 25 B 43/02
	--		
	<u>DE - C - 611 207</u> (NIMMITSCHKE) * Page 1, line 48 - page 2, line 92; figures *	1,3	
	--		
	<u>CH - A - 143 814</u> (LINDE) * Page 1, right-hand column, paragraph 3 - page 2, left-hand column, paragraph 3; figure 1 *	1,3	TECHNICAL FIELDS SEARCHED (Int.Cl. ³)
	--		
	<u>GB - A - 576 921</u> (PRESSED STEEL) * Page 3, line 69 - page 4, line 95; figures 1,2 *	1,3	F 25 B B 01 D
	--		
	<u>US - A - 3 274 796</u> (KOCHER) * Column 2, line 16 - column 3, line 68; figures 1,2 *	1,3	
	--		
	<u>CH - A - 318 293</u> (SULZER) * Page 2, line 42 - page 3, line 65; figures 1-4 *	1,4	CATEGORY OF CITED DOCUMENTS
	--		
	<u>DE - A - 2 308 481</u> (SABROE) * Page 6, last paragraph - page 13; figures 1,2 *	1	X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
D	& NL - A - 73 02376		&: member of the same patent family, corresponding document
	--		
☒	The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner	
The Hague	19-09-1980	BOETS	



0016509
Application number
EP 80 20 0272

EP 80 20 0272

-2-

EPO Form 1503.2 06.78