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(71) Applicant: SANKYO ELECTRIC COMPANY LIMITED
20 Kotobuki-cho
Isesaki-shi, Gunma-ken(JP)

(72) Inventor: Hiraga, Masaharu
8-34, Honjo 4-chome
Honjo-shi Saitama-ken(JP)

(72) Inventor: Kawano, Akihiro
6-18, Minami-cho 3-chome
Maebashi-shi Gunma-ken(JP)

(74) Representative: Pritchard, Colin Hubert et al.
Mathys & Squire 10 Fleet Street
London EC4Y 1AY(GB)

(54) A scroll type compressor having an improved fluid discharge mechanism.

(57) A scroll type compressor having a housing (10) with a fluid inlet port (40) and a fluid outlet port (41). A fixed scroll (22) fixedly disposed within the housing (10) has a first end plate (221) from which a first wrap (222) extends. An orbiting scroll (23) has a second end plate (231) from which a second wrap (232) extends. The wraps (222,232) interfit at an angular and radial offset and define at least one pair of fluid pockets and a central fluid pocket. These pockets shift inwardly with consequent reduction of the volume thereof upon the orbital motion of the orbiting scroll (23). The inner end portion of each wrap has a bulbous shaped enlarged portion. The enlarged portion of the fixed scroll has a valve chamber (35) connected to a discharge chamber (26) in the housing (10). A discharge hole (36) is formed through the inner side wall of the enlarged portion of the fixed scroll (22) at a position near the center of the generating circle of the orbiting scroll (23) to connect the valve chamber (35) and the central fluid pocket. A valve member (371,372) is disposed within the valve chamber (35) to control the opening and closing of the discharge hole (36).

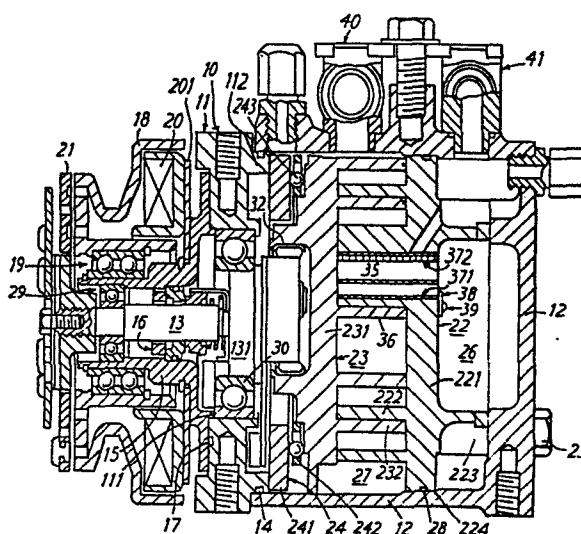


FIG 4



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 82303420.2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	DE - A - 2 160 582 (LEYBOLD-HERAEUS) * Fig. 3-6; claims 2,3,5 *	1,2,4,5,7	F 04 C 18/02
A	EP - A1 - 0 012 614 (SANKYO) * Page 12, line 19 - page 13, line 2; fig. 2 *		
A	US - A - 3 473 728 (VULLIEZ) * Column 7, lines 1-25; fig. 8,9 *		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			F 04 C 18/00 F 04 C 29/00 F 04 C .27/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 02-12-1982	Examiner WITTMANN
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			