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- **Tarutani, Tomoji**
Kariya-shi, Aichi-ken (JP)
- **Sawa, Takenori**
Kariya-shi, Aichi-ken (JP)
- **Tanaka, Hirohiko**
Kariya-shi, Aichi-ken (JP)

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(71) Applicant: **Kabushiki Kaisha Toyota Jidoshokki**
Kariya-shi, Aichi-ken (JP)

(74) Representative: **HOFFMANN - EITLE**
Patent- und Rechtsanwälte
Arabellastrasse 4
81925 München (DE)

(72) Inventors:
• **Kurita, Hajime**
Kariya-shi, Aichi-ken (JP)

(54) Rotor for variable displacement swash plate compressor

(57) Variable displacement compressors 30 may include a rotor 7 that is press-formed from a plate W. The rotor 7 is fixedly mounted on a drive shaft 6 and is coupled to a swash plate 8 via a hinge device 20. The hinge device 20 preferably permits the swash plate 8 to rotate

with the rotor 7 as well as the drive shaft 6 and also may permit the swash plate 8 to change its inclination angle relative to the rotor 7 as well as the drive shaft 6. The swash plate 8 may be coupled to a piston(s) 11 that reciprocates within a cylinder bore(s) 2a.

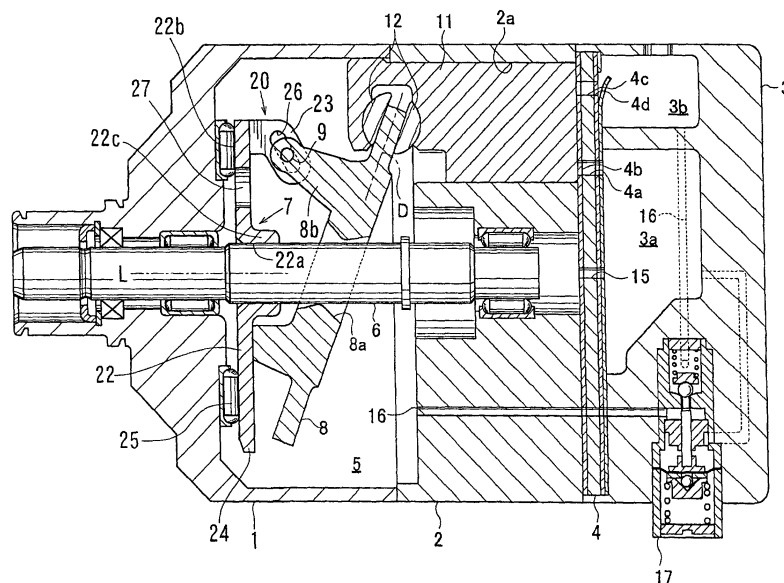


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 02 01 1606

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A	US 4 175 915 A (BLACK DENNIS A ET AL) 27 November 1979 (1979-11-27) * column 4, line 25 * * figure 1 * ---	1	
A	US 4 073 603 A (ROBERTS RICHARD W ET AL) 14 February 1978 (1978-02-14) * column 4, line 12 - line 26 * * figure 1 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F04B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 30 September 2003	Examiner Giorgini, G
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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