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(11)

**EP 1 072 792 A3**

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
**02.01.2002 Bulletin 2002/01**

(51) Int Cl.7: **F04B 27/10**, F04B 39/12,  
F04B 39/10

(43) Date of publication A2:  
**31.01.2001 Bulletin 2001/05**

(21) Application number: **00116016.7**

(22) Date of filing: **26.07.2000**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(72) Inventors:  
• **Ota, Masaki**  
**Kariya-shi, Aichi-ken (JP)**  
• **Kawaguchi, Masahiro**  
**Kariya-shi, Aichi-ken (JP)**

(30) Priority: **27.07.1999 JP 21266899**

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

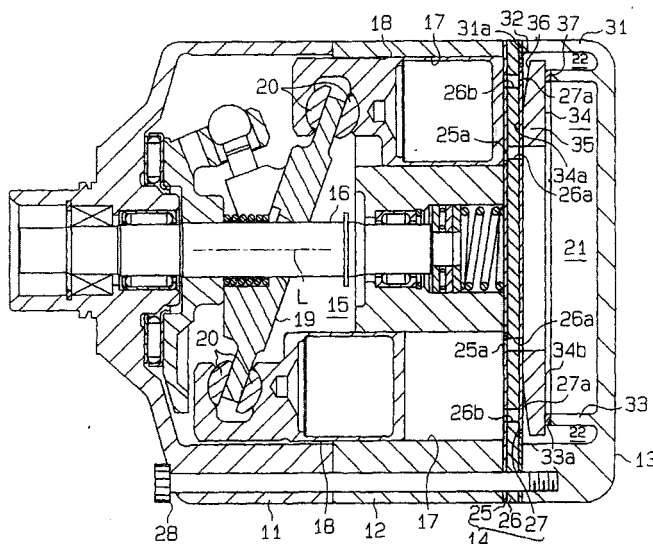
(74) Representative:  
**Leson, Thomas Johannes Alois, Dipl.-Ing. et al**  
**Patentanwälte Tiedtke-Bühling-Kinne & Partner,**  
**Bavariaring 4**  
**80336 München (DE)**

(54) **Swash plate compressor**

(57) A compressor has a cylinder block (12) and rear housing (13) fixed to the cylinder block. The cylinder block has a plurality of cylinder bores (17) arranged along a first phantom circle about an axis (L) of a drive shaft (16) supported by the cylinder block. Each of the cylinder bore has a piston (18) movably disposed therein. A partition (33) is formed within the rear housing to define a discharge chamber (21) and a suction chamber

(22) in the rear housing. A valve plate (14) is interposed between the chambers and the cylinder bores to selectively connect and disconnect the chambers with the cylinder bores. A separator (34) is located between an end of the partition and the valve plate to urge the valve plate against the cylinder block on a second phantom circle about the axis of the drive shaft in such a manner as to maintain selectively connecting and disconnecting the chambers with the cylinder bores.

**Fig.1**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 00 11 6016

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 583 922 A (IIJIMA TAKEO ET AL) 22 April 1986 (1986-04-22) * column 11, line 66 - column 12, line 20; figure 1 *	1,2,8,10	F04B27/10 F04B39/12 F04B39/10
Y	* figure 1 *	3,4	
X	US 5 507 627 A (OKAZAKI MICHIO) 16 April 1996 (1996-04-16) * column 3, line 23 - column 4, line 33; figure 1 *	1,2,7,9,10	
Y	* the whole document *	6	
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Y	EP 0 911 518 A (CALSONIC CORP) 28 April 1999 (1999-04-28) * page 3, column 4, line 7 - page 3, column 4, line 55; figure 2 *	6	TECHNICAL FIELDS SEARCHED (Int.Cl.7) F04B
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 10 October 2001	Examiner Pinna, S
<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 &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 00 11 6016

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