



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
04.11.2009 Bulletin 2009/45

(51) Int Cl.:
F04C 29/06 (2006.01) F04C 28/26 (2006.01)

(43) Date of publication A2:
10.01.2007 Bulletin 2007/02

(21) Application number: **05023875.7**

(22) Date of filing: **02.11.2005**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

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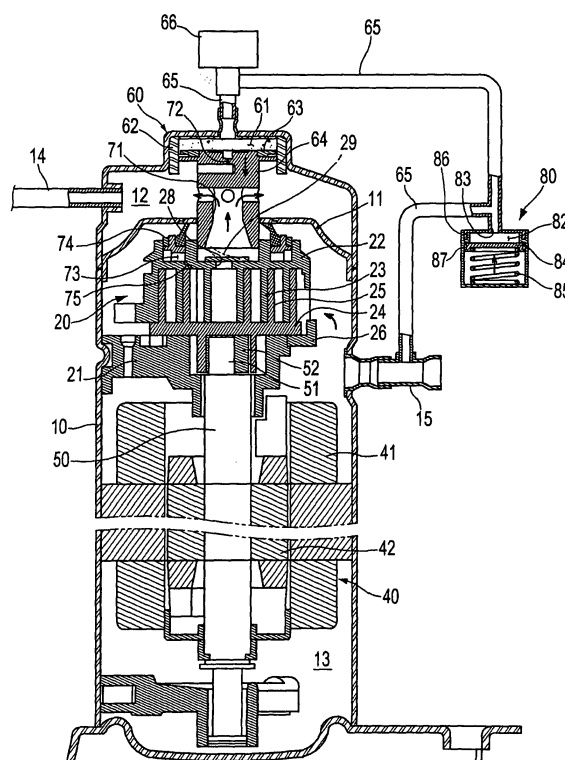
(30) Priority: **04.07.2005 KR 2005059686**

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(54) **Compressor**

(57) A compressor capable of attenuating shock and noise caused when compressed gas is bypassed into a suction space (13) for the control of compression capacity thereof. The compressor includes a bypass passage (65) to bypass the compressed gas into the suction space (13), a shut off valve (66) to open or close the bypass passage (65), and a noise attenuating device (80) mounted to the bypass passage (65) downstream of the valve (66) and having a gas storage space (82) to store a certain amount of gas.

Fig.1





EUROPEAN SEARCH REPORT

 Application Number
 EP 05 02 3875

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
D,Y	US 6 745 584 B2 (PHAM HUNG M [US] ET AL PHAM HUNG M [US] ET AL) 8 June 2004 (2004-06-08) * figure 4 *	1-5	INV. F04C29/06 F04C28/26
Y	DE 132 283 C (JOHANNES BATHEL) 4 July 1902 (1902-07-04) * the whole document *	1-5	
A	US 1 975 483 A (SCOTT SEMPLE S) 2 October 1934 (1934-10-02) * figures 1,3,4 *	1-5	
A	JP 2000 065280 A (TANAKA KIYOSHI) 3 March 2000 (2000-03-03) * the whole document *	1-5	
A	DE 353 972 C (HEAH; CHEMISCH TECH HANDELSGESELLSCH) 30 May 1922 (1922-05-30) * the whole document *	1-5	
			TECHNICAL FIELDS SEARCHED (IPC)
			F04C F16K F01N F16L F04B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 30 September 2009	Examiner Alquezar Getan, M
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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 EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 02 3875

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The members are as contained in the European Patent Office EDP file on
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30-09-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6745584	B2	08-06-2004	AT 300711 T 15-08-2005
			AU 782942 B2 08-09-2005
			AU 1883702 A 19-09-2002
			BR 0105774 A 10-12-2002
			CN 1385659 A 18-12-2002
			CN 1715812 A 04-01-2006
			CN 101275799 A 01-10-2008
			DE 60205149 D1 01-09-2005
			DE 60205149 T2 24-05-2006
			EP 1241417 A1 18-09-2002
			KR 20020074055 A 28-09-2002
			TW 539836 B 01-07-2003
			US 2003033823 A1 20-02-2003
			US 2002157409 A1 31-10-2002
DE 132283	C	NONE	
US 1975483	A	02-10-1934	NONE
JP 2000065280	A	03-03-2000	NONE
DE 353972	C	30-05-1922	NONE