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(71) **Applicant** *(for all designated States except US)*: **EMERSON CLIMATE TECHNOLOGIES, INC.** [US/US]; 1675 W. Campbell Rd., Sidney, OH 45365-0669 (US).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **STOVER, Robert, C.** [US/US]; 1152 Hubert Drive, Versailles, OH 45380 (US). **AKEI, Masao** [US/US]; 808 Jeannie Way, Miamisburg, OH 45342 (US).

(74) **Agents**: **MALINZAK, Michael** et al.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).

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[Continued on next page]

(54) **Title**: COMPRESSOR HAVING CAPACITY MODULATION SYSTEM

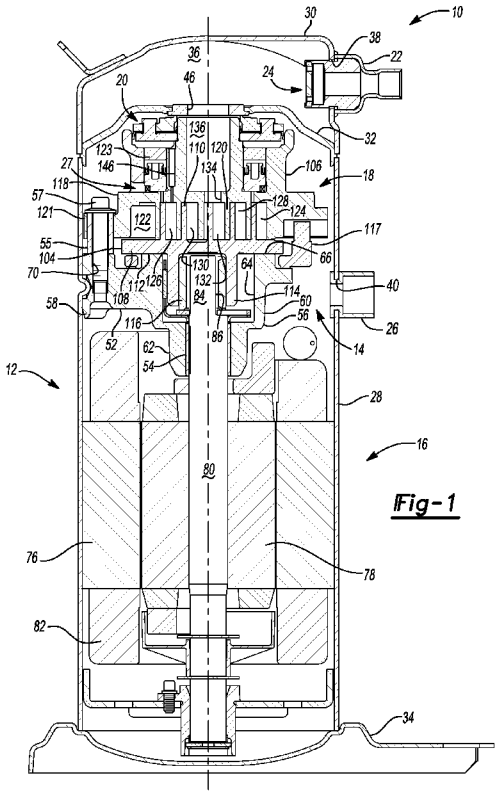


Fig-1

(57) **Abstract**: A compressor including a housing defining a suction pressure region and a discharge pressure region includes first and second scroll members forming compression pockets. A first chamber located on the first end plate of the first scroll member includes first and second passages and a first aperture extending therethrough and in communication with the first chamber. The first aperture provides communication between a compression pocket and the first chamber. A piston in the first chamber is axially displaceable to isolate the first passage from communication with the second passage when in first and second positions, prevent communication between the first aperture and the first passage when in the first position, and provide communication between the first aperture and the first passage when in the second position.

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A. CLASSIFICATION OF SUBJECT MATTER

F04C 18/02(2006.01)i, F04C 2/04(2006.01)i, F04C 27/00(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC :F04C 18/02, F04C 2/04, F04C 27/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Utility models and applications for Utility models since 1975
Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKIPASS(KIPO Internal) & keywords: "piston", "modulation"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6123517 A (BROOKE, R. D. et al.) 26 September 2000 See abstract and Figure 1	1-16
A	US 2001/0010800 A1 (KOHSOKABE, H. et al.) 02 August 2001 See abstract and Figure 1	1-16
A	US 6412293 B1 (PHAM, H. M.; CAILLAT, J-L.) 02 July 2002 See abstract and Figure 1	1-16

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:
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Date of the actual completion of the international search	Date of mailing of the international search report
13 JANUARY 2010 (13.01.2010)	**14 JANUARY 2010 (14.01.2010)**

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Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea
Facsimile No. 82-42-472-7140

Authorized officer
PAEK, Jin Wook
Telephone No. 82-42-481-8458

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Information on patent family members

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