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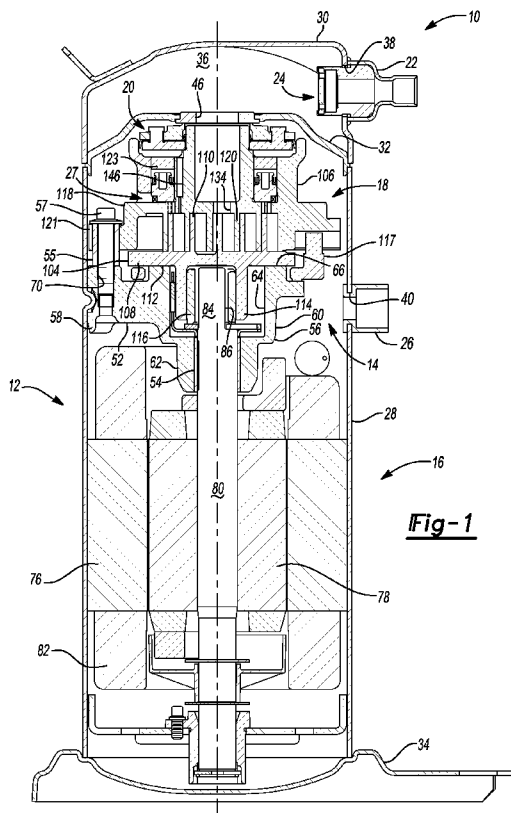
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(54) Title: COMPRESSOR HAVING CAPACITY MODULATION SYSTEM



(57) Abstract: A compressor includes orbiting and non-orbiting scroll members meshingly engaged to form a series of compression pockets, including first pockets when the orbiting scroll member is in a first position. A first porting in the non-orbiting scroll member communicates with the first pockets during a portion of a compression cycle. The first pockets include a set of radially outermost pockets located radially inward relative to the first porting and isolated from communication with the first porting during the compression cycle. The first porting is aligned with a spiral wrap of the orbiting scroll member at a location radially outward from and directly adjacent the first pockets when the orbiting scroll member is in the first position. Additional porting communicates with each of the compression pockets located radially outward relative to the first pockets when the orbiting scroll member is in the first position.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/045665**A. CLASSIFICATION OF SUBJECT MATTER*****F04C 18/02(2006.01)i, F04C 29/00(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 29/00

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: "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 5678985 A (BROOKE, R. D.; STOVER, R. C.) 21 October 1997 See abstract and Figure 1	1-17
A	US 6213731 B1 (DOEPKER, R. et al.) 10 April 2001 See abstract and Figure 1	1-17
A	US 6412293 B1 (PHAM, H. M.; CAILLAT, J-L.) 02 July 2002 See abstract and Figure 1	1-17



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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