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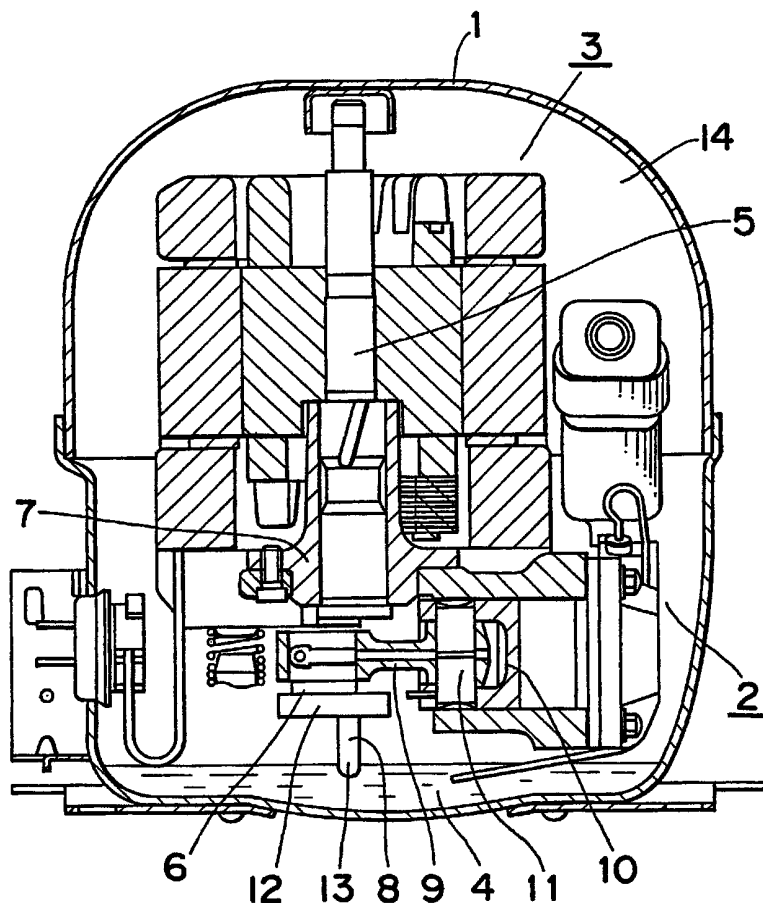
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[Continued on next page]

(54) Title: **HERMETIC MOTOR-DRIVEN COMPRESSOR**



(57) Abstract: The present invention is contemplated to provide a hermetic motor-driven compressor which is capable of decreasing both the resonance sound due to an oil feed pipe (8) and the resonance sound due to a crankshaft (4) generated when the oil feed pipe is rotated while being dipped in the refrigerating machine oil (4). Within a hermetically sealed enclosure (1), a compression component (10) and a motor drive component are supported through an elastic means, and the compression component comprises a crankshaft adapted to be rotatively driven by the motor drive component (10) through an eccentric portion and provided with a journal, a balance weight (12) disposed at the eccentric portion (6) and a coaxial oil feed pipe disposed in the balance weight so as to revolve coaxially with the journal, so that the stirring of the refrigerating machine oil can be suppressed.

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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

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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 7 F04B F04C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 011, no. 094 (M-574), 25 March 1987 (1987-03-25) & JP 61 244882 A (MATSUSHITA REFRIG CO), 31 October 1986 (1986-10-31) abstract	1,2
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

13 December 2000

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INTERNATIONAL SEARCH REPORT

Intern: 1al Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 010, no. 381 (M-547), 19 December 1986 (1986-12-19) & JP 61 171887 A (TOSHIBA CORP), 2 August 1986 (1986-08-02) abstract	3
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP 00/03840

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-2

Hermetic compressor with oil feed pipe made of synthetic resin

2. Claims: 3-7

A hermetic compressor has a balance weight, containing part of the oil feed channel, disposed at the eccentric portion of the drive shaft

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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