

Title (en)
Sealed type electric compressor

Title (de)
Hermetischer elektrischer Verdichter

Title (fr)
Compresseur électrique hermétique

Publication
EP 1657439 A1 20060517 (EN)

Application
EP 05024575 A 20051110

Priority
JP 2004327441 A 20041111

Abstract (en)
A sealed type electric compressor includes a control unit including a driving circuit unit in a housing; and a compressor housing including a compressing mechanism and a motor unit driven and controlled by the control unit. The control unit is mounted on the compressor housing, and a first connection portion supported in the housing of the control unit and a second connection portion supported in the compressor housing are engaged with each other to realize an electric and/or a signal connection therebetween.

IPC 8 full level
F04B 39/02 (2006.01); **F04B 39/12** (2006.01); **F04B 49/06** (2006.01); **F04B 53/22** (2006.01)

CPC (source: EP)
F04B 39/023 (2013.01); **F04B 39/121** (2013.01); **F04B 49/06** (2013.01); **F04B 53/22** (2013.01)

Citation (applicant)

- JP 2002174178 A 20020621 - SANDEN CORP
- JP 2003013859 A 20030115 - DENSO CORP

Citation (search report)

- [X] US 2003200761 A1 20031030 - FUNAHASHI KENJI [JP], et al
- [X] US 2004052660 A1 20040318 - KIMURA KAZUYA [JP], et al
- [X] DE 20220577 U1 20040115 - NASH ELMO IND GMBH [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)

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CN107327973A; GB2443421A; GB2443421B; US8167584B2; TWI397632B

Designated contracting state (EPC)
ES FR IT

DOCDB simple family (publication)
EP 1657439 A1 20060517; **EP 1657439 B1 20070509**; CN 100467868 C 20090311; CN 1773115 A 20060517; ES 2282966 T3 20071016; JP 2006138239 A 20060601; JP 4529648 B2 20100825

DOCDB simple family (application)
EP 05024575 A 20051110; CN 200510120003 A 20051108; ES 05024575 T 20051110; JP 2004327441 A 20041111