

Title (en)

Automotive motor-compressor assembly

Title (de)

Motor-Verdichteraggregat für Kraftfahrzeuge

Title (fr)

Ensemble moteur-compresseur pour véhicules automobiles

Publication

EP 1571343 A1 20050907 (EN)

Application

EP 04425144 A 20040305

Priority

EP 04425144 A 20040305

Abstract (en)

There is described an automotive motor-compressor assembly (1) having an electric motor (2); a compressor (3) through which a work fluid flows, and having a housing (5) and an impeller (6); and connecting means (4) for releasably fixing the compressor (3) to the motor (2), and having a first connecting member (10) defining a locating surface (10a) for a connecting portion (5a) of the housing (5), and a second connecting member (11) defining at least one guide surface (16) for guiding the work fluid inside the housing (5). <IMAGE>

IPC 1-7

F04D 25/06; F04D 29/44; F04D 29/62

IPC 8 full level

F04D 17/10 (2006.01); **F04D 25/06** (2006.01); **F04D 29/44** (2006.01); **F04D 29/46** (2006.01); **F04D 29/62** (2006.01); **H01M 8/04** (2006.01)

CPC (source: EP US)

F02B 39/10 (2013.01 - EP); **F04D 25/06** (2013.01 - EP US); **F04D 29/44** (2013.01 - EP US); **F04D 29/62** (2013.01 - EP US); **F02B 33/40** (2013.01 - EP); **F05D 2250/52** (2013.01 - EP US)

Citation (search report)

- [XAY] US 5638796 A 19970617 - ADAMS III HERBERT L [US], et al
- [XY] US 6375438 B1 20020423 - SEO UN JONG [KR]
- [XY] US 4767285 A 19880830 - JYORAKU FUMIO [JP], et al
- [X] WO 9838899 A1 19980911 - VORWERK CO INTERHOLDING [DE]
- [X] EP 0552978 A2 19930728 - ELECTROLUX CORP [US]

Cited by

FR3059055A1; GB2583580A; GB2583580B; US11512878B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1571343 A1 20050907; **EP 1571343 B1 20060524**; AT E327438 T1 20060615; DE 602004000976 D1 20060629; DE 602004000976 T2 20070503; ES 2264107 T3 20061216; JP 2005248963 A 20050915; US 2005196306 A1 20050908

DOCDB simple family (application)

EP 04425144 A 20040305; AT 04425144 T 20040305; DE 602004000976 T 20040305; ES 04425144 T 20040305; JP 2005063014 A 20050307; US 6905705 A 20050302