

Title (en)

Hermetic motor-compressor unit with an improved motor support frame or bracket.

Title (de)

Hermetische Motor-Verdichter-Einheit mit verbessertem Motortragegestell oder -Stützträger.

Title (fr)

Ensemble moteur-compresseur hermetique avec un chassis ou support d'appui amélioré de moteur.

Publication

EP 0507091 A1 19921007 (EN)

Application

EP 92103642 A 19920303

Priority

IT MI910251 U 19910326

Abstract (en)

A hermetic motor-compressor unit (1) comprises a compressor frame (30) for supporting the usual electric motor (8), the known cylinder (20) within which the piston (17) moves and the known cylindrical piece (45) within which a usual drive shaft (13) rotates, all defining the compression means for a fluid, in particular a refrigerant fluid. The compressor frame (30) is formed by pressing and comprises a flat portion (31) from which there extend four arms (32) bent at their end (34) to be fixed in known manner to the stator (9) of said motor (8). From one end (36) of said compressor frame (30) there rises, perpendicularly to the flat portion (31), a wall (37) in which a passage (38) is provided and which is to be fixed to a usual compressor head (25), said compressor frame (30) comprising a sunken region (43) in the flat portion (31) within which there is an aperture (44) to allow passage of the usual shaft (13) which rotates said piston (17) via a corresponding crank (16). <IMAGE>

IPC 1-7

F04B 39/12

IPC 8 full level

F04B 39/12 (2006.01)

CPC (source: EP)

F04B 39/122 (2013.01)

Citation (search report)

- [X] EP 0325694 A2 19890802 - TECUMSEH PRODUCTS CO [US]
- [X] GB 959243 A 19640527 - HINTZE RUDOLF
- [A] US 2492547 A 19491227 - WILLARD DONALD E
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Cited by

WO2009030536A1; US6276906B1; CN103857911A; DE102004050844B4; DE10254045A1; DE10254045B4; CN105570090A; CN103038583A; CN116398406A; US7722337B2; WO2013029132A1; WO9849447A1

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