

Title (en)

RECIPROCATING COMPRESSOR AND PROCESS FOR MOUNTING HERMETICALLY SEALED HOUSING OF RECIPROCATING COMPRESSOR

Title (de)

KOLBENKOMPRESSOR UND VERFAHREN ZUR MONTAGE EINES HERMETISCH DICHTEN GEHÄUSES EINES KOLBENKOMPRESSORS

Title (fr)

COMPRESSEUR ALTERNATIF ET PROCÉDÉ DE MONTAGE DE BOÎTIER HERMÉTIQUE POUR COMPRESSEUR ALTERNATIF

Publication

EP 3258104 A1 20171220 (EN)

Application

EP 17174772 A 20170607

Priority

BR 102016013775 A 20160614

Abstract (en)

The present invention belongs to the technological field of structural components of hermetically sealed compressors. Problem to be resolved: Currently, reciprocating compressors comprise protective plates which, welded to the outer side of their hermetically sealed carcasses, have small functional dimensions, which ultimately limit the size of electrical or electronic circuits to be fixed on the said protective plates. Problem Resolution: It is disclosed a reciprocating compressor, whose protective plate is conformed by at least one first plate segment and at least one second plate segment, wherein firstly it occurs the fixation of the first plate segment on the base of the hermetically sealed housing of the reciprocating compressor, subsequently, the lid is fixed on the base in order to form the hermetically sealed housing and, finally, the second plate segment is fixed on the first plate segment.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (applicant)

- JP 2013024067 A 20130204 - PANASONIC CORP
- KR 20090063414 A 20090618 - KIM SOON PIL [KR]

Citation (search report)

- [I] JP 3081318 B2 20000828
- [A] JP 2003314449 A 20031106 - MATSUSHITA REFRIGERATION
- [A] US 2014065000 A1 20140306 - TOLBERT JR JOHN R [US], et al
- [A] US 2003012669 A1 20030116 - KAWASHIMA UEHITO [JP], et al
- [A] EP 0793068 A1 19970903 - EMBRACO EUROP SRL [IT]

Cited by

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