

Title (en)
Compressor and method for compressor re-manufacture

Title (de)
Verdichter und Verfahren zur Wiederherstellung eines Verdichters

Title (fr)
Compresseur et procédé pour la reconstruction d'un compresseur

Publication
EP 1788250 A1 20070523 (EN)

Application
EP 05257185 A 20051122

Priority
EP 05257185 A 20051122

Abstract (en)
A method of repairing a scroll compressor, wherein the casing (100) of the compressor is cut open by making two transverse cuts through the casing to give access to the internal components of the compressor. The casing (100) is then resealed, using two annular reinforcing structures (300), one at each cut, to conserve the dimensions of the casing (100). This allows a scroll compressor to be repaired and re-assembled without losing the fine positioning of internal components which are held in place by the casing (100). Each annular reinforcing structure (300) comprises a ring (310) with an outwardly directed flange (305). The flange (305) has a thickness chosen to conserve the dimensions of the re-assembled casing while allowing single-pass welding and the ring (310) has a length which is chosen to provide at least location of the cut surfaces of the casing (100) during re-assembly and, optionally, shielding to prevent weld pool, slag or splatter entering the canister (100).

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
F04C 23/008 (2013.01); **F04C 18/0215** (2013.01); **F04C 2230/80** (2013.01)

Citation (search report)
• [X] PATENT ABSTRACTS OF JAPAN vol. 007, no. 126 (M - 219) 31 May 1983 (1983-05-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 054 (M - 563) 19 February 1987 (1987-02-19)
• [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 399 (M - 1300) 24 August 1992 (1992-08-24)

Cited by
EP2710312B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1788250 A1 20070523; **EP 1788250 B1 20080109**; AT E383516 T1 20080115; DE 602005004302 D1 20080221;
DE 602005004302 T2 20090102; DK 1788250 T3 20080513; ES 2299972 T3 20080601; PL 1788250 T3 20080630

DOCDB simple family (application)
EP 05257185 A 20051122; AT 05257185 T 20051122; DE 602005004302 T 20051122; DK 05257185 T 20051122; ES 05257185 T 20051122;
PL 05257185 T 20051122