

Title (en)

ELECTROMAGNETIC CONTACTOR FOR CONTROLLING AN ELECTRIC STARTER

Title (de)

ELEKTROMAGNETISCHES EINRÜCKRELAIS FÜR DIE STEUERUNG EINES ELEKTRISCHEN STARTERS

Title (fr)

CONTACTEUR ELECTROMAGNETIQUE DE COMMANDE D'UN DEMARREUR ELECTRIQUE

Publication

**EP 1613858 B1 20150729 (FR)**

Application

**EP 04742368 A 20040326**

Priority

- FR 2004000764 W 20040326
- FR 0303876 A 20030328

Abstract (en)

[origin: WO2004088126A2] The metal housing (15) of the case (11) of a contactor (CT) comprises an annular rib (21) extending continuously opposite the cylindrical periphery of the main stationary core (10), said rib having an internal diameter (D1) respectively greater than that of the ferrule (16) and smaller than that of the housing (15), so as to ensure the locking of the different parts of the case (11) and the crimping of the housing (15) on the stationary magnet (10) following local deformations exerted on the reduced diameter of the swaged part defining the rib (21). The invention is applicable to a contactor for motor vehicle starter.

IPC 8 full level

**F02N 15/06** (2006.01); **B62J 99/00** (2009.01); **H01H 51/06** (2006.01); **H01H 50/36** (2006.01)

CPC (source: EP KR US)

**F02N 11/00** (2013.01 - KR); **F02N 15/06** (2013.01 - KR); **F02N 15/067** (2013.01 - EP US); **H01H 51/06** (2013.01 - KR); **H01H 51/065** (2013.01 - EP US); **H01H 50/36** (2013.01 - EP US)

Cited by

WO2015075400A1; DE102018009455A1

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)

**WO 2004088126 A2 20041014; WO 2004088126 A3 20041118**; BR PI0406437 A 20051004; BR PI0406437 B1 20130122; CN 1742156 A 20060301; CN 1742156 B 20110413; EP 1613858 A2 20060111; EP 1613858 B1 20150729; FR 2854665 A1 20041112; FR 2854665 B1 20070223; JP 2006524888 A 20061102; JP 4516065 B2 20100804; KR 101074729 B1 20111018; KR 20050107755 A 20051115; MX PA05010344 A 20051117; US 2007171583 A1 20070726; US 7375606 B2 20080520

DOCDB simple family (application)

**FR 2004000764 W 20040326**; BR PI0406437 A 20040326; CN 200480002566 A 20040326; EP 04742368 A 20040326; FR 0303876 A 20030328; JP 2006505756 A 20040326; KR 20057015140 A 20040326; MX PA05010344 A 20040326; US 55106404 A 20040326