

Title (en)

IMPROVED MICRO-SOLENOID CONTACT-BREAKER FOR MOTOR VEHICLE STARTER, AND CORRESPONDING STARTER

Title (de)

VERBESSERTER MIKROSOLENOIDSCHUTZSCHALTER FÜR KRAFTFAHRZEUGANLASSER UND ENTSPRECHENDER ANLASSER

Title (fr)

CONTACTEUR A MICRO-SOLÉNOÏDE PERFECTIONNE POUR DÉMARREUR DE VÉHICULE AUTOMOBILE ET DÉMARREUR CORRESPONDANT

Publication

EP 3111462 A1 20170104 (FR)

Application

EP 15709285 A 20150219

Priority

- FR 1451569 A 20140227
- FR 2015050410 W 20150219

Abstract (en)

[origin: WO2015128565A1] The invention essentially relates to a contact-breaker (1) for a heat engine starter, comprising: - a cap (30); and - a micro-solenoid (41) that comprises a coil (42) which is stationary relative to the cap (30), and a core (43) which is translationally movable relative to the cap (30) between a starting position and an end position. Said contact-breaker (1) is characterized in that same comprises a means (51) for retaining the core (43) of the micro-solenoid (41) in the end position.

IPC 8 full level

H01H 51/06 (2006.01)

CPC (source: EP US)

F02N 11/087 (2013.01 - EP US); **H01H 47/04** (2013.01 - EP US); **H01H 51/01** (2013.01 - US); **H01H 51/065** (2013.01 - EP US); **H01H 51/29** (2013.01 - US); **F02N 11/00** (2013.01 - EP US); **F02N 11/0814** (2013.01 - EP US); **F02N 15/067** (2013.01 - EP US); **H01H 3/60** (2013.01 - EP US)

Citation (search report)

See references of WO 2015128565A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3017991 A1 20150828; **FR 3017991 B1 20160212**; CN 105940477 A 20160914; CN 105940477 B 20180706; EP 3111462 A1 20170104; JP 2017508247 A 20170323; US 10002734 B2 20180619; US 2017092453 A1 20170330; WO 2015128565 A1 20150903

DOCDB simple family (application)

FR 1451569 A 20140227; CN 201580006088 A 20150219; EP 15709285 A 20150219; FR 2015050410 W 20150219; JP 2016548355 A 20150219; US 201515119902 A 20150219