

Title (en)
SOLENOID SWITCH AND STARTER MOTOR COMPRISING THE SAME

Title (de)
ELEKTROMAGNETSCHALTER UND ANLASSER DAMIT

Title (fr)
COMMUTATEUR À SOLÉNOÏDE ET MOTEUR DE DÉMARREUR COMPRENANT CELUI-CI

Publication
EP 2774161 A1 20140910 (EN)

Application
EP 12845259 A 20121105

Priority
• CN 201110349277 A 20111103
• CN 2012084094 W 20121105

Abstract (en)
[origin: WO2013064123A1] A solenoid switch (1) for a starter motor comprises a sleeve member (11) for coupling adjacent end portions of a pushing rod (9) for moving a movable core (8) and a plunger (2) for moving a contact member (3). At least one end portion of the sleeve element is provided with at least two slots (112), by which at least two flexible arms (113) are formed in the sleeve member. A first engaging means (114, 114') and a second engaging means (115, 115') which are formed in the two flexible arms of the sleeve element are engaged with the adjacent end portions of the pushing rod and the plunger respectively. In the solenoid switch, the plunger and the pushing rod can be firmly coupled together, and the contact welding can be effectively avoided.

IPC 8 full level
H01H 51/04 (2006.01); **F02N 11/00** (2006.01); **F02N 11/08** (2006.01); **F02N 15/06** (2006.01); **H01H 50/64** (2006.01); **H01H 51/06** (2006.01); **H01H 50/20** (2006.01)

CPC (source: EP)
F02N 11/087 (2013.01); **F02N 15/067** (2013.01); **H01H 50/641** (2013.01); **H01H 51/065** (2013.01); **H01H 50/20** (2013.01)

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

DOCDB simple family (publication)
WO 2013064123 A1 20130510; CN 103094010 A 20130508; EP 2774161 A1 20140910; EP 2774161 A4 20150415; IN 3100DEN2014 A 20150515

DOCDB simple family (application)
CN 2012084094 W 20121105; CN 201110349277 A 20111103; EP 12845259 A 20121105; IN 3100DEN2014 A 20140417