

Title (en)
Electromagnetic switching device

Title (de)
Elektromagnetisches Schaltgerät

Title (fr)
Appareil de commutation électromagnétique

Publication
EP 2034498 B1 20131113 (DE)

Application
EP 07017331 A 20070904

Priority
EP 07017331 A 20070904

Abstract (en)
[origin: EP2034498A1] The device (1) has a busbar (7) interrupted by a switching element (6). A conductive solenoid (4) i.e. drive solenoid, a yoke (3), an armature (5) and the switching element are coupled with each other in such a manner that the switching element is operable by energization of the solenoid. The busbar is made of a metal/plastic hybrid material. A current sensor (18) is integrated in the busbar. The switching element includes a switching bridge, which is made from the hybrid material. A housing (2) is made from a plastic-bonded magnetic material.

IPC 8 full level
H01H 50/14 (2006.01); **H01H 1/58** (2006.01); **H01F 7/16** (2006.01); **H01H 1/029** (2006.01); **H01H 47/04** (2006.01); **H01H 50/54** (2006.01)

CPC (source: EP)
H01H 1/58 (2013.01); **H01H 50/14** (2013.01); **H01F 7/1638** (2013.01); **H01H 1/029** (2013.01); **H01H 50/546** (2013.01); **H01H 2047/046** (2013.01)

Cited by
CN103943385A; DE102012219075A1; DE102012219075B4; EP2355638A3; DE102017204949A1; CN110603615A; US11955265B2

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