

Title (en)  
Electromagnetic switching device

Title (de)  
Elektromagnetisches Schaltgerät

Title (fr)  
Appareil de commutation électromagnétique

Publication  
**EP 1962317 B1 20090624 (DE)**

Application  
**EP 07003814 A 20070223**

Priority  
EP 07003814 A 20070223

Abstract (en)  
[origin: EP1962317A1] The electromagnetic switchgear has an electromagnet (1) and a movable magnetic armature (6), which is supported in the switchgear with holding force acting against the closing force. The armature forms a magnet arrangement with a permanent magnet (32) that is arranged outside the magnetic circuit (38). The restoring force acting on the armature is maximal in the open position.

IPC 8 full level  
**H01H 51/06** (2006.01)

CPC (source: EP US)  
**H01H 51/06** (2013.01 - EP US)

Cited by  
DE102011052003B4; WO2013020783A1

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

DOCDB simple family (publication)  
**EP 1962317 A1 20080827; EP 1962317 B1 20090624**; AT E434827 T1 20090715; CN 101252058 A 20080827; CN 101252058 B 20120530; DE 502007000936 D1 20090806; US 2009045893 A1 20090219; US 7733202 B2 20100608

DOCDB simple family (application)  
**EP 07003814 A 20070223**; AT 07003814 T 20070223; CN 200710195479 A 20071130; DE 502007000936 T 20070223; US 314107 A 20071220