

Title (en)  
Electromagnetic switching device

Title (de)  
Elektromagnetisches Schaltgerät

Title (fr)  
Appareil de commutation électromagnétique

Publication  
**EP 1962318 A3 20091118 (DE)**

Application  
**EP 07021942 A 20071112**

Priority  
• EP 07003816 A 20070223  
• EP 07021942 A 20071112

Abstract (en)  
[origin: EP1962319A2] The electromagnetic switching device comprises an electromagnet (1), mobile armature and reset spring (50). The total force of the armature is against the direction of the motion of the armature. A reset spring is stationary arranged in a supporting place (52) another reset spring is stored in the other supporting place (54). Both supporting place is kept parallel to the direction of the motion of the armature, running system axle is transferred laterally to each other. A reset spring with supporting place in a gear shift (70) is stored at the armature (6).

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

CPC (source: EP)  
**H01H 51/06** (2013.01); **H01H 50/20** (2013.01); **H01H 50/546** (2013.01)

Citation (search report)  
• [X] DE 3340904 A1 19850523 - WESTINGHOUSE FANAL SCHALTGERAE [DE]  
• [A] DE 1155537 B 19631010 - HAMBURGER ELEKTROBAU DIPL ING

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1962319 A2 20080827; EP 1962319 A3 20091118; EP 1962319 B1 20120314**; AT E549733 T1 20120315; CN 101252060 A 20080827; CN 101252060 B 20111102; CN 101252061 A 20080827; CN 101252061 B 20110216; EP 1962318 A2 20080827; EP 1962318 A3 20091118; EP 1962318 B1 20150819

DOCDB simple family (application)  
**EP 07021945 A 20071112**; AT 07021945 T 20071112; CN 200810004207 A 20080121; CN 200810007033 A 20080125; EP 07021942 A 20071112