

Title (en)  
Electromagnet with movable core member

Title (de)  
Elektromagnet mit beweglichem Kernteil

Title (fr)  
Electro-aimant avec élément de noyau mobile

Publication  
**EP 0774764 B1 20020904 (DE)**

Application  
**EP 96118331 A 19961115**

Priority  
DE 19543142 A 19951118

Abstract (en)  
[origin: EP0774764A2] The electromagnet (9) has a magnetic coil (2) enclosing a magnetic armature (1) which is displaced along the longitudinal axis (22) of the magnetic coil, with a damping element (6) for damping its movement. The kinetic energy of the armature is transferred to a movable core (41), which is displaced with the armature over the latter part of its movement, the damping element inserted between the movable core and a stationary core (5).

IPC 1-7  
**H01F 7/08**; **H01F 7/16**

IPC 8 full level  
**H01F 7/08** (2006.01); **H01F 7/16** (2006.01); **H01F 7/122** (2006.01)

CPC (source: EP)  
**H01F 7/088** (2013.01); **H01F 7/1615** (2013.01); **H01F 7/122** (2013.01)

Cited by  
CN113517108A; US8939431B2; WO2010075909A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0774764 A2 19970521**; **EP 0774764 A3 19970903**; **EP 0774764 B1 20020904**; DE 19543142 A1 19970522; DE 59609622 D1 20021010

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