

Title (en)
ELECTROMAGNETIC SWITCHING DEVICE

Title (de)
ELEKTROMAGNETISCHES SCHALTGERÄT

Title (fr)
DISPOSITIF DE COMMUTATION ELECTROMAGNETIQUE

Publication
EP 0885450 B1 19990825 (DE)

Application
EP 97915302 A 19970224

Priority
• DE 9700331 W 19970224
• DE 19608729 A 19960306

Abstract (en)
[origin: DE19608729C1] An electromagnetic switching device comprising an armature (10) provided with an armature plate (11) at one end of a plunger core portion (9), and with one winding (6) wound around a bobbin (8). Inner (15) and outer (21) yokes are provided, with the inner yoke (15) designed in such a way that it lies opposite the other end of the plunger core portion (9) and is positioned adjacent and normal to it, and a magnetic cylinder (19) having an axial length considerably greater than the width of the inner yoke (15) at that part, which faces towards this other end of the plunger core portion (9), and with the cylinder (19) inserted into an axially extending opening (7) of the bobbin (8).

IPC 1-7
H01H 51/22

IPC 8 full level
H01H 51/22 (2006.01)

CPC (source: EP US)
H01F 7/1615 (2013.01 - EP US); **H01F 7/1623** (2013.01 - EP US); **H01H 51/2209** (2013.01 - EP US)

Cited by
DE10232661A1; DE10232661B4

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
DE 19608729 C1 19970703; CN 1065357 C 20010502; CN 1211336 A 19990317; DE 59700374 D1 19990930; EP 0885450 A1 19981223; EP 0885450 B1 19990825; US 5959519 A 19990928; WO 9733293 A1 19970912

DOCDB simple family (application)
DE 19608729 A 19960306; CN 97192239 A 19970224; DE 59700374 T 19970224; DE 9700331 W 19970224; EP 97915302 A 19970224; US 12594198 A 19980828