

Title (en)  
SWITCHGEAR CONTROL APPARATUS

Title (de)  
ANSTEUERGERÄT FÜR SCHALTGERÄTE

Title (fr)  
DISPOSITIF DE COMMANDE POUR APPAREILS DE COMMUTATION

Publication  
**EP 0865660 A2 19980923 (DE)**

Application  
**EP 96946021 A 19961128**

Priority  
• DE 9602283 W 19961128  
• DE 19545512 A 19951205

Abstract (en)  
[origin: WO9721237A2] Contactors or relays in particular generally have a magnet system comprising a coil with an armature and a yoke. A device has already been proposed for controlling the magnetic flux in the magnet system in a time-dependent manner according to a nominal curve calculated precisely for each magnet model. According to the invention, the control device (10) controls the magnetic flux within a predetermined range which is independent of time and travel. Preferably, the control device (10) controls the magnetic flux by means of the coil (1, 21) (coil flux). In particular, the narrow range set for the coil flux can be independent of time and travel, which is impossible with the prior art.

IPC 1-7  
**H01H 47/32**

IPC 8 full level  
**H01F 7/06** (2006.01); **H01H 47/32** (2006.01)

CPC (source: EP)  
**H01H 47/325** (2013.01); **H01F 2007/1894** (2013.01); **H01H 2047/046** (2013.01)

Citation (search report)  
See references of WO 9721237A2

Cited by  
DE10332595A1; DE10332595B4; US10217586B2

Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**WO 9721237 A2 19970612; WO 9721237 A3 19970821**; CN 1068968 C 20010725; CN 1202269 A 19981216; DE 59604468 D1 20000323; EP 0865660 A2 19980923; EP 0865660 B1 20000216; JP 2000501550 A 20000208

DOCDB simple family (application)  
**DE 9602283 W 19961128**; CN 96198342 A 19961128; DE 59604468 T 19961128; EP 96946021 A 19961128; JP 52086297 A 19961128