

Title (en)
SEMICONDUCTOR SWITCH-ASSISTED ELECTROMECHANICAL RELAY

Title (de)
ELEKTROMAGNETISCHES RELAISUNTERSTÜTZ FÜR DIE SCHALTUNG MIT EINEM HALBLEITER

Title (fr)
RELAIS ELECTROMECHANIQUE ASSISTE A LA COMMUTATION PAR SEMI-CONDUCTEUR

Publication
EP 1103058 A1 20010530 (FR)

Application
EP 00929646 A 20000519

Priority
• FR 0001378 W 20000519
• FR 9907218 A 19990608

Abstract (en)
[origin: WO0075947A1] The invention concerns an electromechanical relay comprising an electric contact (14) with mechanical displacement, a transistor (15) parallel on the electric contact, and means (10, 17, 20, 22, 32, 38) for: closing the contact (14) for a voltage V at its terminals corresponding to the transistor (15) direction of flow and producing a conduction of the transistor starting before the contact closure and ending after said closure; opening the contact for a current in the contact (14) corresponding to the transistor (15) direction of flow and producing a conduction of the transistor starting before the contact opening and ending after said opening. The invention is applicable to electromechanical switches, hybrid relays.

IPC 1-7
H01H 9/54

IPC 8 full level
H01H 9/54 (2006.01)

CPC (source: EP US)
H01H 9/54 (2013.01 - EP US); **H01H 9/542** (2013.01 - EP US); **H01H 2009/544** (2013.01 - EP US)

Citation (search report)
See references of WO 0075947A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
FR 2794890 A1 20001215; FR 2794890 B1 20010810; AU 4765600 A 20001228; EP 1103058 A1 20010530; US 6643112 B1 20031104; WO 0075947 A1 20001214

DOCDB simple family (application)
FR 9907218 A 19990608; AU 4765600 A 20000519; EP 00929646 A 20000519; FR 0001378 W 20000519; US 76229901 A 20010208