

Title (en)
ACTUATING RELAY FOR STARTING DEVICES

Title (de)
EINRÜCKRELAIS FÜR ANDREHVORRICHTUNGEN

Title (fr)
RELAIS D'ENCLENCHEMENT POUR DEMARREURS

Publication
EP 0674749 B1 19960710 (DE)

Application
EP 94900732 A 19931127

Priority
• DE 9301132 W 19931127
• DE 4242930 A 19921218

Abstract (en)
[origin: WO9415093A1] The proposal is for an actuating relay (10) for starting devices of internal combustion engines, the pull-in winding (15) of which is switched on via an auxiliary relay (33). To provide a space-saving economical arrangement and construction of the auxiliary relay, said auxiliary relay (33) is arranged in the contact chamber (35) of the actuating relay (10). One end (34a) of its winding (34) is electrically connected to the magnetic core (18) of the actuating relay (10) conducting earth potential and the other end (34b) to a connector (58, 59) secured in the switch cover (19) of the actuating relay (10). To this connector (58, 59), taking the form of a terminal (50), is connected a starting switch for the internal combustion engine in order to switch the actuating relay (10) on via the auxiliary relay (33) built into it.

IPC 1-7
F02N 11/08; **H01H 51/06**

IPC 8 full level
F02N 11/00 (2006.01); **F02N 11/08** (2006.01); **H01H 51/06** (2006.01); **H01H 47/22** (2006.01)

CPC (source: EP KR US)
F02N 11/08 (2013.01 - KR); **H01H 51/065** (2013.01 - EP US); **H01H 47/22** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 4242930 A1 19940623; **DE 4242930 C2 19980709**; DE 59303213 D1 19960814; EP 0674749 A1 19951004; EP 0674749 B1 19960710; JP H08504913 A 19960528; KR 950704610 A 19951120; US 5677656 A 19971014; WO 9415093 A1 19940707

DOCDB simple family (application)
DE 4242930 A 19921218; DE 59303213 T 19931127; DE 9301132 W 19931127; EP 94900732 A 19931127; JP 51466094 A 19931127; KR 19950702514 A 19950615; US 48143995 A 19950619