

Title (en)
CIRCUITRY FOR AN ENGAGEMENT RELAY

Title (de)
SCHALTUNGSANORDNUNG FÜR EIN EINRÜCKRELAIS

Title (fr)
CIRCUIT POUR RELAIS D'ENGRENEMENT

Publication
EP 0807312 A1 19971119 (DE)

Application
EP 96900260 A 19960109

Priority
• DE 9600019 W 19960109
• DE 19503536 A 19950203

Abstract (en)
[origin: DE19503536A1] The invention relates to circuitry for the engagement relay for a starting device of an internal combustion engine with an auxiliary relay actuating a relay coil of the engagement relay. There is a control and/or regulating circuit (16) affecting and in particular clocking the operating current (I) of the auxiliary relay (18) in order to reduce its power losses.

IPC 1-7
H01H 47/22; **F02N 11/08**

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

CPC (source: EP US)
F02N 11/087 (2013.01 - EP US); **F02N 2200/047** (2013.01 - EP US); **F02N 2200/065** (2013.01 - EP US)

Citation (search report)
See references of WO 9624149A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 19503536 A1 19960808; CN 1057860 C 20001025; CN 1172549 A 19980204; DE 59600570 D1 19981022; EP 0807312 A1 19971119; EP 0807312 B1 19980916; JP H11503862 A 19990330; US 5818679 A 19981006; WO 9624149 A1 19960808

DOCDB simple family (application)
DE 19503536 A 19950203; CN 96191726 A 19960109; DE 59600570 T 19960109; DE 9600019 W 19960109; EP 96900260 A 19960109; JP 52314996 A 19960109; US 81785597 A 19970424