

Title (en)
CONTROL CIRCUIT FOR A SWITCHING DEVICE

Title (de)
STEUERSCHALTUNG FÜR EINE SCHALTUNGSANORDNUNG

Title (fr)
CIRCUIT DE COMMANDE POUR UN ENSEMBLE CIRCUIT

Publication
EP 1817493 A1 20070815 (DE)

Application
EP 05811179 A 20051125

Priority
• EP 2005056241 W 20051125
• DE 102004058018 A 20041201

Abstract (en)
[origin: WO2006058866A1] A control circuit (5) for a switching device, comprising a relay (1) and a switch (3). The control circuit (5) is configured in such a way as to produce a hold signal (HOLD) for a predetermined period of time (TD) when a start signal (START) is supplied thereto. The control circuit (5) is also configured in such a way as to produce the hold signal (HOLD) for the predefined period of time (TD) independently of the course of the start signal (START) during the predefined period of time (TD). The control circuit (5) is also configured in order to activate a switch output (SWOUT) when at least one of two conditions is met. The switch (3) enables the relay (1) to be supplied with current when the switch output (SWOUT) is activated, otherwise it prevents the relay (1) from being supplied with current.

IPC 8 full level
F02N 11/08 (2006.01); **H01H 47/04** (2006.01)

CPC (source: EP KR US)
F02N 11/08 (2013.01 - KR); **F02N 11/087** (2013.01 - EP US); **F02N 11/10** (2013.01 - KR); **H01H 47/002** (2013.01 - EP US);
H01H 47/04 (2013.01 - KR); **F02N 11/0862** (2013.01 - EP US); **F02N 11/101** (2013.01 - EP US); **F02N 2250/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2006058866A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 2006058866 A1 20060608; CN 101069013 A 20071107; DE 102004058018 A1 20060622; DE 502005005432 D1 20081030;
EP 1817493 A1 20070815; EP 1817493 B1 20080917; JP 2008521697 A 20080626; KR 20070084233 A 20070824;
US 2008212254 A1 20080904

DOCDB simple family (application)
EP 2005056241 W 20051125; CN 200580041376 A 20051125; DE 102004058018 A 20041201; DE 502005005432 T 20051125;
EP 05811179 A 20051125; JP 2007543833 A 20051125; KR 20077011012 A 20070515; US 79216605 A 20051125