

Title (en)
CIRCUIT ARRANGEMENT FOR OPERATING A RELAY

Title (de)
SCHALTUNGSANORDNUNG ZUM BETRIEB EINES RELAIS

Title (fr)
CIRCUIT POUR ACTIONNER UN RELAIS

Publication
EP 1206788 B1 20031001 (DE)

Application
EP 00958170 A 20000719

Priority
• DE 0002436 W 20000719
• DE 19939650 A 19990813

Abstract (en)
[origin: WO0113395A1] The invention relates to a circuit arrangement (1) for operating a relay. The inventive arrangement provides a making current (ES) for the operating coil (SP) of the relay and subsequently a holding current (HS) after a given time (t1). The aim of the invention is to prevent that possible relay parameter deviations from the nominal values thereof have a negative influence. The aim of the invention is also to not to have to consider said deviations when dimensioning the circuit. The aim of the invention further is to provide a circuit arrangement that can be used in different operating voltages (U). To this end, at least one constant-current source (KS1, KS2) supplies the making current (ES) and the holding current (HS) for the relay.

IPC 1-7
H01H 47/04

IPC 8 full level
H01H 47/04 (2006.01)

CPC (source: EP US)
H01H 47/04 (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0113395 A1 20010222; DE 19939650 A1 20010315; DE 19939650 C2 20010802; DE 50003935 D1 20031106; EP 1206788 A1 20020522; EP 1206788 B1 20031001; US 6798633 B1 20040928

DOCDB simple family (application)
DE 0002436 W 20000719; DE 19939650 A 19990813; DE 50003935 T 20000719; EP 00958170 A 20000719; US 4945902 A 20020520