

Title (en)
Circuit arrangement for detecting a current threshold

Title (de)
Schaltungsanordnung zur Stromschwellwerterkennung

Title (fr)
Circuit pour detecter un seuil de courant

Publication
EP 1721805 A1 20061115 (DE)

Application
EP 05290806 A 20050411

Priority
EP 05290806 A 20050411

Abstract (en)
Circuit arrangement has an output contact (D), which is connected to the integrating circuit (TR1,R2,R3,C3,TR2) and time-dependently suppresses a turn-on current surge at the output contact. The output contact is further connected to the discharge circuit (R4,R5,R6,R7,KOMP1), which discharges the output contact during the undershoot of the cut-off voltage at the output contact.

IPC 8 full level
B61L 5/18 (2006.01); **H05B 37/03** (2006.01)

CPC (source: EP US)
B61L 5/1881 (2013.01 - EP US); **H05B 47/25** (2020.01 - EP US)

Citation (search report)

- [A] EP 1046920 A2 20001025 - CIT ALCATEL [FR]
- [A] DE 3145744 C1 19830407 - STANDARD ELEKTRIK LORENZ AG
- [A] EP 1304274 A1 20030423 - SIEMENS SCHWEIZ AG [CH]
- [A] EP 0472747 A1 19920304 - SCHEIDT & BACHMANN GMBH [DE]
- [A] DE 4230898 A1 19930722 - SIEMENS AG [DE]
- [A] US 4736138 A 19880405 - MASAKI KAZUMI [JP]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1721805 A1 20061115; EP 1721805 B1 20070530; AT E363423 T1 20070615; DE 502005000792 D1 20070712

DOCDB simple family (application)
EP 05290806 A 20050411; AT 05290806 T 20050411; DE 502005000792 T 20050411