

Title (en)
OVERCURRENT PROTECTION CIRCUIT

Title (de)
ÜBERSTROMSCHUTZSCHALTUNG

Title (fr)
CIRCUIT DE PROTECTION CONTRE LES SURCHARGES

Publication
EP 1290769 A1 20030312 (DE)

Application
EP 01944958 A 20010530

Priority
• DE 0102046 W 20010530
• DE 10029418 A 20000615

Abstract (en)
[origin: DE10029418A1] The circuit has an excess current trigger (5) that detects the switch current (I) flowing through a switch element (6) and triggers opening of the switch if the switch current fulfills a triggering criterion. A current limiter (7) connected in series with the switch element has a steep current-voltage characteristic for low voltages and a flat characteristic for high voltages.

IPC 1-7
H02H 3/02; **H02H 9/02**

IPC 8 full level
H02H 3/02 (2006.01); **H02H 9/02** (2006.01)

CPC (source: EP US)
H02H 3/025 (2013.01 - EP US); **H02H 9/025** (2013.01 - EP US)

Citation (search report)
See references of WO 0197353A1

Citation (examination)
• US 3258562 A 19660628 - HURTLE RALPH L
• EP 0978918 A2 20000209 - SQUARE D CO [US]

Designated contracting state (EPC)
CH DE FR LI SE

DOCDB simple family (publication)
DE 10029418 A1 20011220; EP 1290769 A1 20030312; US 2003137790 A1 20030724; US 7061739 B2 20060613; WO 0197353 A1 20011220

DOCDB simple family (application)
DE 10029418 A 20000615; DE 0102046 W 20010530; EP 01944958 A 20010530; US 31138102 A 20021216