

Title (en)

A DEVICE FOR CURRENT LIMITATION AND PROTECTION AGAINST FAULTS IN A CURRENT

Title (de)

VORRICHTUNG ZUR STROMBEGRENZUNG UND SCHUTZ GEGEN FEHLER IN EINEM STROM

Title (fr)

DISPOSITIF DE LIMITATION D'INTENSITE ET DE PROTECTION CONTRE LES ECARTS D'INTENSITE

Publication

EP 0990294 A1 20000405 (EN)

Application

EP 98928787 A 19980612

Priority

- SE 9801135 W 19980612
- SE 9702335 A 19970618

Abstract (en)

[origin: WO9858435A1] A device for current limitation and protection against faults in the load current fed to an electrical load, in the form of an electrical apparatus or installation, a fault current limiter. The fault current limiter is electrically connected in series with the load to be protected in a main circuit for power supply of the load. The current limiting element is electrically connected to a circuit for current injection. The circuit for current injection comprises a capacitor connected in series with a switch. A control unit with sensors for monitoring the load current in the main circuit and control means are arranged to control and operate the switch in the circuit for current injection based on changes in the properties of the load current in the main circuit, such that upon detection of a fault the capacitor is discharged through the current limiting element.

IPC 1-7

H02H 9/02

IPC 8 full level

H02H 1/00 (2006.01); **H02H 9/02** (2006.01)

CPC (source: EP)

H02H 1/003 (2013.01); **H02H 9/02** (2013.01)

Citation (search report)

See references of WO 9858435A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

WO 9858435 A1 19981223; EP 0990294 A1 20000405; SE 9702335 D0 19970618

DOCDB simple family (application)

SE 9801135 W 19980612; EP 98928787 A 19980612; SE 9702335 A 19970618