

Title (en)  
Current interrupter.

Title (de)  
Stromkreisunterbrecher.

Title (fr)  
Disjoncteur.

Publication  
**EP 0243076 A2 19871028 (EN)**

Application  
**EP 87303276 A 19870414**

Priority  
US 85369586 A 19860418

Abstract (en)  
A current interrupter (10) wherein current is normally carried by a bus bar (12), and a portion of the bus bar (12) is segmented by a pyrotechnic charge (14) under excess current conditions. The charge (14) is detonated by a detonator (18) which is triggered by voltage across a resistive element (16) having a predetermined melting point connected in series with the bus bar (12). At the time the detonator (18) is triggered, the resistive element (16) provides sufficient resistance to trigger the detonator (18) while operating at a temperature below its melting point. A control device (20) may be employed to control current flow through the detonator (18).

IPC 1-7  
**H01H 39/00**

IPC 8 full level  
**H01H 39/00** (2006.01)

CPC (source: EP)  
**H01H 39/006** (2013.01)

Cited by  
EP0690466A1; US5783987A; EP0725412A3; US5877563A

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0243076 A2 19871028; EP 0243076 A3 19890726**; CA 1266289 A 19900227; JP S62290029 A 19871216

DOCDB simple family (application)  
**EP 87303276 A 19870414**; CA 534056 A 19870407; JP 9498987 A 19870417