

Title (en)
A CURRENT LIMITER

Publication
EP 0059475 B1 19860625 (EN)

Application
EP 82101606 A 19820302

Priority
• JP 3005581 U 19810302
• JP 3005781 U 19810302

Abstract (en)
[origin: EP0059475A2] The present invention relates to a current limiter wherein a pair of conductors (2, 6a, 6b) each having a contact (5a, 5b, 7a, 7b) fastened thereto are arranged in opposition to each other so that the senses of currents to flow through the respective conductors (2, 6a, 6b) via the contacts (5a, 5b, 7a, 7b) may become opposite to each other, and wherein the respective contacts (5a, 5b, 7a, 7b) are surrounded with arc shields (10a, 10b, 11a, 11b). The arc shields (10a, 10b, 11a, 11b) are formed of a highly resistive material having a resistivity higher than that of the conductors (2, 6a, 6b), and they effectively inject the metal particles of the contacts (5a, 5b, 7a, 7b) into an electric arc struck thereacross, to rapidly and greatly raise an arc voltage and to enhance the current limiting performance of the current limiter.

IPC 1-7
H01H 73/04; **H01H 1/00**; **H01H 9/30**; **H01H 77/10**

IPC 8 full level
H01H 9/30 (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP)
H01H 1/2058 (2013.01); **H01H 9/30** (2013.01)

Cited by
EP0309923A3; EP0394922A1; DE102008037967A1; FR2825188A1; FR2688949A1; CN105308705A; EP2987175A4; US10037858B2

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0059475 A2 19820908; **EP 0059475 A3 19830629**; **EP 0059475 B1 19860625**; DE 3271813 D1 19860731

DOCDB simple family (application)
EP 82101606 A 19820302; DE 3271813 T 19820302