

Title (en)
Surface-mount current fuse

Title (de)
Oberflächenmontierte Stromsicherung

Title (fr)
Fusible de courant monté en surface

Publication
EP 2040281 A3 20121219 (EN)

Application
EP 08164573 A 20080918

Priority
JP 2007244431 A 20070920

Abstract (en)
[origin: EP2040281A2] A current fuse includes a case (10), a pair of metal terminals (30), and a fuse element assembly (40). The case (10) includes a pair of terminal insertion holes (12, 13). Each metal terminal (30) has a loop-like apex portion (31), a pair of first linear portions (32a, 32b) and a pair of second linear portions (33a, 33b). The pair of first linear portions (32a, 32b) is inserted in the pair of terminal insertion holes (12, 13). The fuse element assembly (40) has a glass fiber bundle (41) which is wound with a fuse wire (42) spirally. Each apex portion (31) is located inside the case (10), both end portions of the fuse element assembly (40) are inserted and held in the interior of the apex portion (31) and the fuse wire (42) is joined electrically to the pair of metal terminals (30).

IPC 8 full level
H01H 85/041 (2006.01)

CPC (source: EP KR)
H01H 85/0411 (2013.01 - EP KR); **H01H 2085/0412** (2013.01 - KR); **H01H 2085/0414** (2013.01 - EP KR); **H01H 2239/032** (2013.01 - KR)

Citation (search report)

- [I] DE 2949432 A1 19810611 - SILLNER GEORG RUDOLF
- [A] WO 02071432 A1 20020912 - WICKMANN WERKE GMBH [DE], et al
- [A] EP 1237173 A2 20020904 - SOC CORP [JP]

Cited by
DE102017214682B4; CN102496536A; CN105518820A; DE102017214682A1; TWI631590B; US10553383B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2040281 A2 20090325; EP 2040281 A3 20121219; EP 2040281 B1 20140604; JP 2009076330 A 20090409; JP 4348385 B2 20091021; KR 101017119 B1 20110225; KR 20090031280 A 20090325

DOCDB simple family (application)
EP 08164573 A 20080918; JP 2007244431 A 20070920; KR 20080092012 A 20080919