

Title (en)

Current separator for the electrical cables in a car

Title (de)

Stromunterbrecher für elektrische Versorgungsleitungen von Kraftfahrzeugen

Title (fr)

Disjoncteur pour les lignes électriques d'une voiture

Publication

EP 1710871 B1 20070905 (DE)

Application

EP 05007772 A 20050408

Priority

EP 05007772 A 20050408

Abstract (en)

[origin: EP1710871A1] The breaker has two connecting units (1, 3) that are connected with each other. A current path extends between the connecting units in a conducting state of the breaker. A pyrotechnical interrupting unit (5) is provided on one of the connecting units, and interrupts the connection between the connecting units. The interrupting unit is thermally activated with an aid of a joule effect that is generated by one of the connecting units. An independent claim is also included for a method for interrupting power with a circuit breaker.

IPC 8 full level

H01R 13/637 (2006.01); **H01R 13/20** (2006.01)

CPC (source: EP US)

H01H 85/08 (2013.01 - EP US); **H01R 13/20** (2013.01 - EP US); **H01R 13/637** (2013.01 - EP US); **H01H 2039/008** (2013.01 - EP US); **Y10T 29/49105** (2015.01 - EP US); **Y10T 29/49107** (2015.01 - EP US)

Cited by

DE102010015240A1; DE102010015240B4; WO2019174680A1; WO2016120062A1; US10529516B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1710871 A1 20061011; **EP 1710871 B1 20070905**; AT E372598 T1 20070915; AT E404986 T1 20080815; CN 100592577 C 20100224; CN 101151772 A 20080326; CN 101283427 A 20081008; CN 101283427 B 20120523; DE 202006020172 U1 20080417; DE 502005001423 D1 20071018; DE 502006001340 D1 20080925; EP 1866945 A1 20071219; EP 1866945 B1 20080813; ES 2290809 T3 20080216; ES 2312129 T3 20090216; PL 1710871 T3 20080131; PL 1866945 T3 20090130; PT 1866945 E 20081112; US 2008197001 A1 20080821; US 2008204184 A1 20080828; US 7767921 B2 20100803; US 8154377 B2 20120410; WO 2006077268 A1 20060727; WO 2006106042 A1 20061012

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EP 05007772 A 20050408; AT 05007772 T 20050408; AT 06725662 T 20060407; CN 200680010772 A 20060322; CN 200680010781 A 20060407; DE 202006020172 U 20060407; DE 502005001423 T 20050408; DE 502006001340 T 20060407; EP 06725662 A 20060407; EP 2006060943 W 20060322; EP 2006061460 W 20060407; ES 05007772 T 20050408; ES 06725662 T 20060407; PL 05007772 T 20050408; PL 06725662 T 20060407; PT 06725662 T 20060407; US 91049606 A 20060322; US 91058806 A 20060407