

Title (en)  
Arc welding resistant contactor

Title (de)  
Lichtbogenresistenter Schütz

Title (fr)  
contacteur résistante à la formation d'arc

Publication  
**EP 2230678 A3 20130130 (DE)**

Application  
**EP 10001056 A 20100202**

Priority  
DE 102009013337 A 20090316

Abstract (en)  
[origin: EP2230678A2] The contactor (1) is provided with contact points (2,3) with the fixed contacts (4,5) and movable contacts (6,7), in which the opening of the contacts arc is formed. An arc extinguishing device (24) is provided for deleting the arcs. The arc extinguishing device has a collecting device for the particle produced through the arcs in the contactor erosion.

IPC 8 full level  
**H01H 9/34** (2006.01); **H01H 9/44** (2006.01)

CPC (source: EP)  
**H01H 9/34** (2013.01); **H01H 9/443** (2013.01)

Citation (search report)  
• [X] GB 2152755 A 19850807 - MITSUBISHI ELECTRIC CORP  
• [AD] DE 102006035844 B4 20080619 - SCHALTBAU GMBH [DE]

Cited by  
DE102014002902B4; DE102015000796A1; CN105981123A; RU2646620C1; EP3349230A1; CN108777241A; KR20210111564A; KR20210115584A; EP3349231A1; EP3349232A1; WO2015127948A1; DE102014019713A1; US9799471B2; DE102014002902A1; US9646784B2; WO2015149895A1; WO2021177675A1; EP3048626A1; EP3157032A1; EP3349231B1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2230678 A2 20100922; EP 2230678 A3 20130130; EP 2230678 B1 20151111**; DE 102009013337 A1 20101118;  
DE 102009013337 B4 20110127; RU 2010107366 A 20110827; RU 2451359 C2 20120520

DOCDB simple family (application)  
**EP 10001056 A 20100202**; DE 102009013337 A 20090316; RU 2010107366 A 20100225