

Title (en)  
DC CIRCUIT BREAKER

Title (de)  
GLEICHSTROMSCHUTZSCHALTER

Title (fr)  
DISJONCTEUR CC

Publication  
**EP 4040464 A1 20220810 (EN)**

Application  
**EP 22305136 A 20220208**

Priority  
CN 202110181405 A 20210209

Abstract (en)  
A DC circuit breaker is provided. The DC circuit breaker comprises a first housing and a second housing, wherein the first housing and the second housing jointly define an accommodation space, and a stationary contact assembly and a mechanism assembly are arranged in the accommodation space, the mechanism assembly being able to move between an on position and an off position. The mechanism assembly comprises a center plate and a moving contact assembly. The center plate is rotatably supported, at both sides of the center plate, by the first housing and the second housing respectively. The moving contact assembly is rotatably installed on the center plate by a moving shaft arranged on the center plate. The moving contact assembly is configured to rotate relative to the center plate during a rotation of the center plate relative to the first housing and the second housing. An elastic component of the mechanism assembly is configured to act between the moving contact assembly and the first housing.

IPC 8 full level  
**H01H 71/52** (2006.01)

CPC (source: CN EP)  
**H01H 71/0207** (2013.01 - CN); **H01H 71/10** (2013.01 - CN); **H01H 71/12** (2013.01 - CN); **H01H 71/526** (2013.01 - EP);  
**H01H 73/04** (2013.01 - CN); **H01H 1/2066** (2013.01 - EP); **H01H 1/226** (2013.01 - EP); **H01H 33/596** (2013.01 - EP);  
**H01H 2071/042** (2013.01 - EP)

Citation (search report)  
• [X] EP 0570647 A1 19931124 - HAGER ELECTRO [FR]  
• [A] EP 1146534 A1 20011017 - FELTEN & GUILLEAUME KG [AT]  
• [A] FR 2996678 A1 20140411 - SCHNEIDER ELECTRIC IND SAS [FR]

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4040464 A1 20220810**; AU 2022200844 A1 20220825; AU 2022200844 B2 20230202; CN 114914129 A 20220816

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