

Title (en)
CIRCUIT BREAKER

Title (de)
UNTERBRECHERSCHALTER

Title (fr)
COUPE-CIRCUIT

Publication
EP 1313121 A1 20030521 (EN)

Application
EP 01915844 A 20010327

Priority
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Abstract (en)
A circuit breaker includes a stationary contact shoe including a conductor and a stationary contact attached to the conductor; a movable contact shoe carrying a movable contact, which movable contact is separably arranged with respect to the stationary contact and is attached to the movable contact shoe; a switching mechanism for rotating the movable contact; an arc-extinguishing unit for extinguishing an arc generated upon parting of the stationary contact and the movable contact from each other; and a case for housing these components. In this circuit breaker, the arc-extinguishing unit includes an arc-extinguishing member so as to cover the entire face of the stationary contact shoe, and the arc-extinguishing member includes a molded arc-extinguishing insulating material mainly containing a non-halogenous flame-retardant resin. The circuit breaker can ensure satisfactory flame retardancy, has satisfactory interruption performances such as overload interruption and short-circuit interruption, and can be miniaturized. <IMAGE>

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H01H 71/18

IPC 8 full level
H01H 9/30 (2006.01); **H01H 71/18** (2006.01)

CPC (source: EP)
H01H 9/302 (2013.01)

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See references of WO 02078032A1

Cited by
WO2011157825A1; EP2393093A1; EP4047621A1; KR20130087394A; US10102991B2; US8809721B2; US8829380B2; WO2008087136A1; WO2007113184A1; US9336964B2

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