

Title (en)

Air circuit breaker having simple detachable structure for over current relay

Title (de)

Luftschalter mit einfach anbringbarer Struktur für ein Überstromrelais

Title (fr)

Disjoncteur à air possédant une structure amovible pour relais de surintensité

Publication

EP 2015334 A2 20090114 (EN)

Application

EP 08011612 A 20080626

Priority

KR 20070070266 A 20070712

Abstract (en)

Disclosed is an air circuit breaker having a simple detachable structure for an over current relay, comprising a main body, a main cover covering a front surface of the main body, a sub cover installed at one side of the main cover and assembled to the main cover so as to be disassembled therefrom by being pushed up, and an over current relay installed at a rear side of the sub cover so as to be disassembled therefrom and that serves as a controller of the air circuit breaker.

IPC 8 full level

H01H 71/02 (2006.01); **H01H 71/12** (2006.01)

CPC (source: EP KR)

H01H 31/02 (2013.01 - KR); **H01H 31/18** (2013.01 - KR); **H01H 71/0228** (2013.01 - EP); **H01H 71/0264** (2013.01 - EP); **H01H 71/123** (2013.01 - EP); **H01H 2071/006** (2013.01 - EP)

Citation (applicant)

- US 5043688 A 19910827 - CASTONGUAY ROGER N [US], et al
- US 6480082 B1 20021112 - AIHARA KAZUYA [JP], et al
- US 5581219 A 19961203 - NOZAWA EIJI [JP], et al
- JP H0244629 A 19900214 - FUJI ELECTRIC CO LTD

Cited by

EP3376520A4; RU2733885C2

Designated contracting state (EPC)

DE ES FR GB IT

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2015334 A2 20090114; **EP 2015334 A3 20100324**; **EP 2015334 B1 20150805**; CN 101345164 A 20090114; CN 101345164 B 20120118; ES 2551715 T3 20151123; KR 100881362 B1 20090202; KR 20090006678 A 20090115; MY 160155 A 20170228; RU 2370846 C1 20091020

DOCDB simple family (application)

EP 08011612 A 20080626; CN 200810133528 A 20080711; ES 08011612 T 20080626; KR 20070070266 A 20070712; MY PI20082522 A 20080708; RU 2008128388 A 20080711