

Title (en)
MEDIUM VOLTAGE CIRCUIT BREAKER FOR SUBSEA APPLICATIONS

Title (de)
MITTELSPANNUNGSSCHUTZSCHALTER FÜR UNTERWASSERANWENDUNGEN

Title (fr)
DISJONCTEUR MOYENNE TENSION POUR APPLICATIONS SOUS-MARINES

Publication
EP 3182436 A1 20170621 (EN)

Application
EP 15201360 A 20151218

Priority
EP 15201360 A 20151218

Abstract (en)
The invention relates to a medium voltage circuit breaker for subsea applications, with a vacuum interrupter arranged inside a pressure housing, which is tight against environmental high pressure, and with a drive, in order to move a movable contact of the vacuum interrupter, relatively to a fixed contact of the vacuum interrupter, according to the preamble of claim 1. In order to enhance the design of the vacuum circuit breaker arrangement in that way, that the arrangement is functionally safe under the aforesaid environment conditions, the invention is, that the magnetic drive is separated in two parts, wherein the first part with a mechanical link to the moved contact is arranged inside of the pole housing and a second part, consisting the coil or the coils is, or are arranged outside of the pole housing, and that the coil or the coils to control the magnetic drive, are as well arranged outside of the housing.

IPC 8 full level
H01H 33/38 (2006.01); **H01H 33/666** (2006.01)

CPC (source: EP)
H01H 33/38 (2013.01); **H01H 33/666** (2013.01)

Citation (applicant)
• EP 1843375 B1 20110706 - ABB TECHNOLOGY AG [CH]
• EP 2312606 B1 20130227 - ABB TECHNOLOGY AG [CH]
• EP 1942514 A1 20080709 - EATON ELECTRIC BV [NL]

Citation (search report)
• [XDAI] EP 2312606 B1 20130227 - ABB TECHNOLOGY AG [CH]
• [X] EP 2732455 A1 20140521 - SIEMENS AG [DE]
• [E] CN 105280433 A 20160127 - YANG BINTANG

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 3182436 A1 20170621

DOCDB simple family (application)
EP 15201360 A 20151218