

Title (en)

ELECTRIC DIRECT CURRENT NETWORK FOR WATER VESSELS AND FOR OFFSHORE UNITS

Title (de)

ELEKTRISCHES GLEICHSTROMNETZ FÜR WASSERFAHRZEUGE SOWIE FÜR OFFSHOREANLAGEN

Title (fr)

RÉSEAU ÉLECTRIQUE À COURANT CONTINU POUR NAVIRES ET INSTALLATIONS EN MER

Publication

EP 2111628 B1 20170329 (DE)

Application

EP 08708121 A 20080123

Priority

- EP 2008050762 W 20080123
- DE 102007004527 A 20070124

Abstract (en)

[origin: WO2008090178A1] The invention relates to an electric direct current network (1, 20) for surface and submarine water vessels and for offshore units, comprising at least one direct current source (21), in particular a battery and/or a fuel cell installation, at least one electric consumer (22), e.g. an electric drive motor or a border network, and at least one cut-off device (23) for cutting off the direct current flowing in the network (1). The cut-off device (23) comprises a vacuum switch (24) arranged in the network (1, 20) and a commutation device (25) enabling an electric arc that is produced when the switch (24) is opened to be cut off by the current flowing through the switch (24). The usability of the water vessel, in particular submarine vessels and offshore units, can be increased as the commutation device (25) is embodied in such a manner that electric arcs produced from the switch currents with a different direction can be cut off by said commutation device.

IPC 8 full level

H01H 33/66 (2006.01); **B63G 8/08** (2006.01); **H02P 6/00** (2016.01)

CPC (source: EP)

B63G 8/08 (2013.01); **B63H 21/17** (2013.01); **H01H 33/596** (2013.01); **H01H 33/66** (2013.01)

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007004527 A1 20080731; **DE 102007004527 B4 20090312**; EP 2111628 A1 20091028; EP 2111628 B1 20170329; ES 2630006 T3 20170817; WO 2008090178 A1 20080731

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DE 102007004527 A 20070124; EP 08708121 A 20080123; EP 2008050762 W 20080123; ES 08708121 T 20080123