

Title (en)
DC POWER SWITCHING UNIT

Title (de)
GLEICHSTROMSCHALTEINHEIT

Title (fr)
UNITÉ DE COMMUTATION DE PUISSANCE EN COURANT CONTINU

Publication
EP 3349233 A1 20180718 (EN)

Application
EP 17151374 A 20170113

Priority
EP 17151374 A 20170113

Abstract (en)
A DC power switching unit comprises a first terminal and a second terminal (24, 25), a sub-unit comprising a current limiter (L, L1, L2) and a diode (D1, D2) and a semiconductor device (Q1, Q2). The sub-unit is connected to a first side (31) of the semiconductor device. The power switching unit further comprises a snubber circuit (30) connected to a second side (32) of the semiconductor device. The power switching unit comprises two symmetrical sub-units, each sub-unit being connected on one side to one of the first and second power switching unit terminals and on the other side to the semiconductor device (Q1, Q2).

IPC 8 full level
H01H 33/59 (2006.01)

CPC (source: EP)
H01H 33/596 (2013.01)

Citation (search report)

- [XY] WO 2013131581 A1 20130912 - SIEMENS AG [DE], et al
- [YA] WO 2013127462 A1 20130906 - ALSTOM TECHNOLOGY LTD [CH], et al
- [A] EP 2963751 A1 20160106 - STATE GRID CORP CHINA SGCC [CN], et al

Cited by
KR20200138476A

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)
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