

Title (en)

CASCADED MULTILEVELCONVERTER FOR HVDC APPLICATION

Title (de)

MEHRSTUFIGER KASKADENUMFORMER FÜR HOCHSPANNUNGS-GLEICHSTROM-ANWENDUNG

Title (fr)

CONVERTISSEUR MULTI-NIVEAUX EN CASCADE POUR APPLICATION HVDC

Publication

EP 2586112 A1 20130501 (EN)

Application

EP 10723631 A 20100622

Priority

EP 2010058827 W 20100622

Abstract (en)

[origin: WO2011160678A1] A power electronic converter for high voltage direct current power transmission and reactive power compensation comprises at least one primary module (54) operably connectable in use between at least two electrical networks, the or each primary module (54) including at least one set of series- connected primary switching elements (56) connected in parallel with an electronic block (58) in a H-bridge arrangement, the or each electronic block (58) including a plurality of secondary switching elements (62) connected to two or more energy storage devices (64) in a multi-level converter arrangement, the switching elements (56,62) of each primary module (54) being controllable in use to switch each energy storage device (64) into or out of circuit so the respective primary module (54) provides at least three discrete output voltages.

IPC 8 full level

H02J 3/36 (2006.01); **H02M 7/12** (2006.01)

CPC (source: EP US)

H02J 3/36 (2013.01 - EP US); **H02M 7/4835** (2021.05 - EP US); **H02M 7/49** (2013.01 - EP); **H02M 1/0058** (2021.05 - EP); **H02M 1/0095** (2021.05 - EP US); **Y02B 70/10** (2013.01 - EP); **Y02E 60/60** (2013.01 - EP)

Citation (search report)

See references of WO 2011160678A1

Cited by

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DOCDB simple family (publication)

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