

Title (en)

TEST CIRCUIT FOR A MODULAR MULTI-CELL CONVERTER

Title (de)

PRÜFSCHALTUNG FÜR EINEN MODULAREN MULTIZELLEN UMRICHTER

Title (fr)

CIRCUIT DE TEST POUR CONVERTISSEUR MODULAIRE PLURICELLULAIRE

Publication

**EP 3167541 A1 20170517 (DE)**

Application

**EP 14758948 A 20140904**

Priority

EP 2014068818 W 20140904

Abstract (en)

[origin: WO2016034232A1] A test circuit (100, 200) for a voltage-regulated power converter module (2) in power converters (6, 10, 206, 210) for high-voltage direct current transmission, comprising a first power converter (6, 206) with an alternating current connection (20) and a first and a second direct current connection (22), wherein the alternating current connection (20) in the first power converter (6, 206) is connected to the first direct current connection (22) via a first series (32) of voltage-regulated power converter modules (2), wherein the alternating current connection (20) in the first power converter (6, 206) is connected to the second direct current connection (22) via a second series (32) of voltage-regulated power converter modules (2), further comprising a second power converter (10, 210) with an alternating current connection (20) and a first and a second direct current connection (22), wherein the respective first direct current connections (22) are connected to each other and the respective second direct current connections (22) are connected to each other, which should enable a test of voltage-regulated power converter modules independent of the network frequency and using alternating and direct current load. In addition, the respective alternating current connections (20) are connected to each other via an inductance (104).

IPC 8 full level

**H02M 7/483** (2007.01); **G01R 31/42** (2006.01)

CPC (source: EP US)

**G01R 31/42** (2013.01 - EP); **H02M 7/483** (2013.01 - EP US); **H02M 7/4835** (2021.05 - EP US)

Citation (search report)

See references of WO 2016034232A1

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)

**WO 2016034232 A1 20160310**; EP 3167541 A1 20170517

DOCDB simple family (application)

**EP 2014068818 W 20140904**; EP 14758948 A 20140904