

Title (en)
CURRENT INVERTER

Title (de)
WECHSELRICHTER

Title (fr)
ONDULEUR

Publication
EP 2118994 A1 20091118 (DE)

Application
EP 08707968 A 20080117

Priority
• EP 2008050521 W 20080117
• AT 2472007 A 20070216

Abstract (en)
[origin: WO2008098812A1] The invention relates to a current inverter comprising a bridge circuit equipped with four switch elements (S3, S4, S5, S6), wherein two opposite connector clamps (1, 2) of the bridge circuit are connected to the direct current part of the current inverter, and the other two connector clamps (3, 4) of the bridge circuit are connected to the alternating current part of the current inverter. Direct current and alternating current can be converted into each other when the switch elements (S3, S4, S5, S6) are controlled appropriately. According to the invention, in the direct current part, a first direct current sided switch element (S1) is coupled to the positive direct current clamp, an inductive resistance (LI) that is mounted in series between the first switch element (S1) and the first connector clamp (1) of the bridge circuit and a diode (D2) are arranged downstream from the first switch element (S1). A second direct current-sided switch element (S2) can be mounted in series between the inductive resistance (LI) and the diode (D2), and a second connector clamp (2) of the bridge circuit can be mounted such that in the closed state, the inductive resistance (LI) connects to the second connector clamp (2) of the bridge circuit.

IPC 8 full level
H02M 7/48 (2007.01)

CPC (source: EP KR US)
H02M 3/1582 (2013.01 - EP US); **H02M 7/48** (2013.01 - EP KR US); **H02M 1/007** (2021.05 - EP US)

Citation (search report)
See references of WO 2008098812A1

Cited by
WO2017222568A1

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)
WO 2008098812 A1 20080821; AT 504944 A1 20080915; AT 504944 B1 20120315; CN 101669276 A 20100310; EP 2118994 A1 20091118; JP 2010518806 A 20100527; KR 20090108668 A 20091015; US 2010118575 A1 20100513

DOCDB simple family (application)
EP 2008050521 W 20080117; AT 2472007 A 20070216; CN 200880005176 A 20080117; EP 08707968 A 20080117; JP 2009549384 A 20080117; KR 20097018929 A 20080117; US 52724408 A 20080117