

Title (en)
INVERTER HAVING DC LINK PROTECTION

Title (de)
WECHSELRICHTER MIT ZWISCHENKREISSCHUTZ

Title (fr)
ONDULEUR COMPRENANT UNE PROTECTION DE CIRCUIT INTERMÉDIAIRE

Publication
EP 3815231 A1 20210505 (DE)

Application
EP 19742798 A 20190730

Priority
• EP 18186354 A 20180730
• EP 2019070441 W 20190730

Abstract (en)
[origin: WO2020025585A1] An inverter (1) having a DC/DC converter (4), which converts a direct voltage received from a direct-voltage source (3) into a DC link voltage of a DC link (5), a DC/AC converter (6), which converts the DC link voltage into an alternating voltage, having a monitoring unit (8), which monitors capacitors of the DC link (5) in order to protect against overvoltages, the monitoring unit (8) decoupling the direct voltage source (3) from the DC link (5) by controlling the DC/DC converter (4) in the event that an overvoltage occurs on at least one of the capacitors of the DC link (5).

IPC 8 full level
H02M 1/32 (2007.01); **H02M 3/155** (2006.01); **H02M 3/156** (2006.01); **H02M 7/48** (2007.01)

CPC (source: EP US)
H02M 1/32 (2013.01 - EP US); **H02M 3/155** (2013.01 - US); **H02M 3/156** (2013.01 - EP); **H02M 7/44** (2013.01 - US);
H02M 7/48 (2013.01 - EP US); **H02M 7/4833** (2021.05 - US); **H02M 7/4835** (2021.05 - US); **H02M 1/007** (2021.05 - EP);
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3605813 A1 20200205; AU 2019315689 A1 20210318; AU 2019315689 B2 20220818; BR 112021000466 A2 20210406;
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