

Title (en)
MONITORING UNIT FOR AN INVERTER

Title (de)
ÜBERWACHUNGSEINHEIT FÜR EINEN WECHSELRICHTER

Title (fr)
UNITÉ DE SURVEILLANCE POUR ONDULEUR

Publication
EP 4122092 A1 20230125 (DE)

Application
EP 21713010 A 20210319

Priority
• EP 20164548 A 20200320
• EP 2021057109 W 20210319

Abstract (en)
[origin: WO2021186043A1] In order to protect an inverter (1) from assuming a prohibited switch state, a monitoring unit (4) with monitoring inputs (40) and monitoring outputs (41) is provided. The monitoring inputs (40) are connected to control outputs (51) in order to receive a switch pattern (SM), and the monitoring outputs (41) are connected to power switches (S1+, S2+, S1-, S2-). The monitoring unit (4) is designed to compare the transition from a first switch pattern (SM) to a second switch pattern (SM) with a number of prohibited transitions and/or with a number of permitted transitions and block the second switch pattern (SM) in the event of a match with one of the prohibited transitions and/or in the event of a deviation from the number of permitted transitions and to output the second switch pattern (SM) to the power switches (S1+, S2+, S1-, S2-) via the monitoring outputs (41) in the event of a deviation from the number of prohibited transitions and/or in the event of a match with one of the permitted transitions.

IPC 8 full level
H02M 7/487 (2006.01); **H02M 1/00** (2006.01); **H02M 1/32** (2006.01)

CPC (source: EP US)
H02M 1/0012 (2021.05 - US); **H02M 1/32** (2013.01 - EP US); **H02M 7/487** (2013.01 - EP US); **H02M 1/0012** (2021.05 - EP); **Y02E 10/56** (2013.01 - EP)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
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