

Title (en)

LOAD SIMULATION CONVERTER AND TESTING DEVICE

Title (de)

LASTSIMULATIONSUMRICHTER UND TESTVORRICHTUNG

Title (fr)

CONVERTISSEUR DE SIMULATION DE CHARGE ET DISPOSITIF DE TEST

Publication

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Application

EP 22726377 A 20220506

Priority

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- EP 2022062303 W 20220506

Abstract (en)

[origin: WO202243067A1] The invention relates to a load simulation device (10a) for simulating a three-phase load for a three-phase or generally multiphase inverter (1) which has three or generally a plurality of phase connections (17u, 17v, 17w) for an inverter (1) to be connected, two direct current outputs (14p, 14n) for a direct current supply (16) to be connected, three or generally a plurality of transistor bridges (llu, llv, llw), each connected between the direct current lines (14p, 14n) and each having at least two series-connected electronic switches (21, 22), of which each connection region (23) is connected directly or indirectly to one of the phase connections (17u, 17v, 17w). For each of the electronic switches, the load simulation device has a control line (sup - sw_n) for controlling the relevant electronic switch, and a control circuit (13), which is connected to the control lines (sup - sw_n) for controlling the electronic switches (21, 22) by means of respective control signals (up, un, vp, vn, wp, wn) generated by it. The control circuit (13) is designed to generate the control signals (up, un, vp, vn, wp, wn) in synchronisation with control signals in an inverter (1) to be connected.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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