

Title (en)

METHOD FOR PROTECTING AN ELECTRICAL POWER SYSTEM

Title (de)

VERFAHREN ZUM SCHUTZ EINES STROMSYSTEMS

Title (fr)

PROCÉDÉ DE PROTECTION D'UN SYSTÈME D'ALIMENTATION ÉLECTRIQUE

Publication

EP 3788689 A4 20211208 (EN)

Application

EP 18917461 A 20180504

Priority

US 2018031088 W 20180504

Abstract (en)

[origin: WO2019212562A1] The present disclosure is directed to a method for protecting an electrical power system connected to a power grid. The electrical power system includes at least one cluster of electrical power subsystems. Each of the electrical power subsystems defines a stator power path and a converter power path for providing power to the power grid. The converter power path includes a partial power transformer. The electrical power system further includes a subsystem switch configured with each of the electrical power subsystems and a cluster transformer connecting each cluster of electrical power subsystems to the power grid. A cluster switch is configured with the cluster transformer. A controller is communicatively coupled to each of the plurality of electrical power subsystems. Thus, the controller monitors the electrical power system for faults, and if a fault is detected in the cluster, sends, via one of the subsystem switches or the power converters, a block signal to the cluster switch.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- See references of WO 2019212562A1

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