

Title (en)
MULTISTAGE PROTECTIVE DEVICE FOR OVERCURRENT- AND OVERVOLTAGE-PROTECTED TRANSMISSION OF ELECTRICAL ENERGY

Title (de)
MEHRSTUFIGE SCHUTZVORRICHTUNG ZUR ÜBERSTROM- UND ÜBERSpannungSGESICHERTEN ÜBERTRAGUNG VON ELEKTRISCHER ENERGIE

Title (fr)
DISPOSITIF DE PROTECTION À PLUSIEURS ÉTAGES PERMETTANT UN TRANSFERT D'ÉNERGIE ÉLECTRIQUE PROTÉGÉ CONTRE LES SURTENSIONS ET LES SURINTENSITÉS

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Application
EP 19725362 A 20190522

Priority
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• EP 2019063240 W 20190522

Abstract (en)
[origin: WO2019238370A1] The invention relates to a protective device (100) for overcurrent- and overvoltage-protected energy transmission from a bipolar voltage terminal (101) to an electrical load (103), said device comprising: a first fuse circuit (105) which is designed to prevent flow of a line current from the voltage terminal (101) to the electrical load (103) when said line current reaches a first current strength limit; an overvoltage protection circuit (107) which is connected downstream of the first fuse circuit (105) and upstream of the electrical load (103) and which is designed to connect the poles of the voltage terminal (101) in an electrically conductive manner when a voltage reaches a first voltage limit at the voltage terminal (101) in order to force a line current which reaches the first current strength limit; and a second fuse circuit (109) which is connected downstream of the overvoltage protection circuit (107) and upstream of the electrical load (103), wherein the second fuse circuit (109) is designed to prevent flow of the line current when said line current reaches a second current strength limit, the second current strength limit being smaller than the first current strength limit.

IPC 8 full level
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Citation (search report)
See references of WO 2019238370A1

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