

Title (en)  
COMMON STRUCTURE FOR PRODUCING PROTECTION UNITS HAVING N PHASES AND NEUTRAL LINE

Title (de)  
GEMEINSAME STRUKTUR ZUR HERSTELLUNG VON SCHUTZEINHEITEN MIT N PHASEN UND NEUTRALLEITER

Title (fr)  
STRUCTURE COMMUNE POUR LA REALISATION DE BLOCS DE PROTECTION A N PHASES ET NEUTRE

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Application  
**EP 10770562 A 20100915**

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Abstract (en)  
[origin: WO2011036376A1] The invention relates to a common structure for producing n-phase protection units and to a neutral, said structure consisting of a differential stage (1), having a switch trigger for opening the neutral, and n circuit breakers (2) that protect separate circuits for each phase and are connected downstream from the differential stage (1), said structure comprising (n+1) input coupling devices, connected to the differential stage, and (n+1) output coupling devices, each circuit breaker (2) comprising the respective magnetothermal trigger mechanism thereof, that is, a mechanical trigger lock combined with a magnetic actuator and a thermal actuator, linking members (4, 5, 6) being provided so as to connect the switch trigger of the differential stage (1) and the locks of the circuit breaker (2), each linking member (4, 5, 6) connecting either the circuit breaker and at least one lock of an adjacent circuit breaker (2), or the locks of two adjacent circuit breakers (2). Said structure is convertible into three different protection units.

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