

Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTER

Title (fr)
DISJONCTEUR

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Application
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Abstract (en)
[origin: WO202221590A1] The invention relates to a circuit breaker (14) with a main current path (16) which has a controllable first switching element (18) with a first control input (22) which is connected to a controllable second switching element (56) of a drive circuit (24). The drive circuit (24) has a current sensor (26) which is coupled to the main current path (16) and has two outputs (36), wherein an electrical voltage (38) which is applied between the outputs (36) is dependent on an electric current which is conducted by means of the main current path (16). Each of the outputs (36) is connected to in each case one input (42) of a microcontroller-free characteristic curve circuit (40) with two further outputs (44), and the second switching element (56) is operated depending on a further electrical voltage (58) which is applied between the further outputs (44), wherein there is a functional relationship between the further electrical voltage (58) and the electrical voltage (38).

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