

Title (en)
CIRCUIT PROVIDED WITH A PROTECTIVE FUNCTION

Title (de)
SCHALTUNGSANORDNUNG MIT SICHERHEITSFUNKTION

Title (fr)
CIRCUITERIE DOTEE D'UNE FONCTION DE SECURITE

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Abstract (en)
[origin: US2002011888A1] The invention relates to a circuit provided with a protective function which contains at least two power contactors that have main make contact elements arranged in release current circuits (4). According to the invention, each main make contact element (H1; H12; H13) of a power contactor is connected in series to a main make contact element (H21; H22; H23) of another power contactor in the respective release current circuit (4). Each make contact element (S1; S2) is provided in the coil current circuit (1; 1') of each coil (K 1; K2) of each power contactor, whereby the make contact elements can be jointly actuated. The main make contact elements of each power contactor are spatially arranged between two auxiliary contact units which each have a make contact element (T1; T3 or T2; T4) and a break contact element (V1; V3 or V2; V4), and which are configured as positively driven contacts. The make contact elements of all auxiliary contact units are connected in series in a first indicator circuit (2), and the break contact elements of all auxiliary contact units are connected in series in a second indicator circuit (3). The main make contact elements and the contacts of the assigned auxiliary contact units are fixed on a common contact bridge (8).

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