

Title (en)
POWER DISTRIBUTION SYSTEM

Title (de)
ENERGIEVERTEILUNGSSYSTEM

Title (fr)
SYSTÈME DE DISTRIBUTION D'ÉNERGIE

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Abstract (en)
[origin: WO2010102899A1] The invention relates to a power distribution system having at least one circuit breaker upstream, from the perspective of the power supply, and at least one circuit breaker downstream that have at least one movable switch contact (2) conducting current that contacts a related fixed switch contact (1) by force and in the case of a short-circuit type current rise of current dynamically created magnetic forces is raised thereby, wherein one arc is created between each of the two switch contacts (1, 2), the current is effective in a limiting manner, having a catch mechanism (9) that holds the movable switch contact (2) in place from the reaching of a specified opening angle (w) and having a selective trigger (6) for triggering the related circuit breaker upon exceeding a specified criterion. In order to attain a power selective circuit breaker that can also be used for larger rated currents and has a long service life, according to the invention there is an actuator (7) that can be triggered by the selective trigger (6) that activates the catch mechanism (9) to release the movable switch contact (2) when the criterion is exceeded.

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