

Title (en)

CURRENT ZERO IMPULSE WITH CONSTANT RATE OF RISE FOR DC INTERRUPTION

Title (de)

STROM-NULL-IMPULS MIT KONSTANTER STROMSTEILHEIT ZUR UNTERBRECHUNG EINES GLEICHSTROMES

Title (fr)

IMPULSION DE COURANT ZERO AVEC VITESSE DE CROISSANCE CONSTANTE POUR INTERRUPTION DE COURANT CONTINU

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Application

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Abstract (en)

[origin: CA2954707A1] The invention relates to an arrangement for generating a zero current pulse (1) for generating a zero current passage in an electrical component (3) through which a direct current (2) flows, in particular a vacuum interrupter, wherein the arrangement has an electrical energy store (4) with two poles (12), (13) via which the electrical energy store (4) can be charged by a voltage source (10), and a switch (5), and a loop can be formed with the arrangement via the energy store (4), the electrical component (3) through which the direct current flows, and the switch (5) so that the energy store (4) can be discharged by closing the switch (5) while generating a zero current pulse (1) counter to the direct current (2) across the electrical component (3). According to the invention, the energy store (4) has a plurality of energy storage elements for mutual generation of a zero current pulse (1).

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