

Title (en)

METHOD AND DEVICE FOR REDUCING THE CONTACT EROSION OF A SWITCHGEAR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REDUZIERUNG DES KONTAKTABBRANDES EINES SCHALTGERÄTES

Title (fr)

PROCEDE ET DISPOSITIF POUR REDUIRE L'USURE DES CONTACTS D'UN APPAREIL DE COUPURE

Publication

EP 1327254 A1 20030716 (DE)

Application

EP 01987939 A 20011004

Priority

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- DE 10051161 A 20001016

Abstract (en)

[origin: DE10051161C1] The contact wear reduction method has the switching command (ES) used for electromagnetic operation of the main contacts (K1-K3) of the switching device (1) delayed, for initiating switching at a phase angle of the control voltage (Us) for the magnetic system (4) which is compared with the switching command angle exhibiting the maximum contact wear by a phase comparator. The actual contact wear of each main contact is determined via a time interval measurement for the contact separation switching process. An Independent claim for a wear reduction device for a switching device is also included.

IPC 1-7

H01H 9/56

IPC 8 full level

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CPC (source: EP)

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