

Title (en)

METHOD AND DEVICE FOR DETERMINING A SWITCHING TIME OF AN ELECTRIC SWITCHING DEVICE

Title (de)

VERFAHREN SOWIE VORRICHTUNG ZUR BESTIMMUNG EINES SCHALTZEITPUNKTES EINES ELEKTRISCHEN SCHALTGERÄTES

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER L'INSTANT DE COMMUTATION D'UN APPAREIL DE COMMUTATION ELECTRIQUE

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Application

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Abstract (en)

[origin: WO2006082131A1] The invention relates to a method and device for determining a switching time of an electric switching device. An electric switching device comprises an interrupter link (1). A first line section (2) and a second line section (3) can be connected and disconnected by means of said interrupter link (1). In order to determine a switching time, the temporal progression of a driving voltage (A) is determined in the first line section (2). In addition, a temporal course of an oscillator voltage (B, B1) appearing in the second line section (2) is determined. Potential switching times are determined at the voltage zero crossings of a resulting voltage (C, C1). The selection of the potential switching times ensues while evaluating the rises of the driving voltage (A, A1) and of the oscillator voltage (B, B1) or of the polarity of the oscillating current (D).

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