

Title (en)

METHOD AND CONTROL UNIT FOR ZERO CROSS RELAY SWITCHING

Title (de)

VERFAHREN UND STEUEREINHEIT ZUR NULL-KREUZ-RELAISSCHALTUNG

Title (fr)

PROCÉDÉ ET UNITÉ DE COMMANDE DE COMMUTATION DE RELAIS À PASSAGE À ZÉRO

Publication

**EP 4165674 A1 20230419 (EN)**

Application

**EP 21729463 A 20210526**

Priority

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- EP 2021063962 W 20210526

Abstract (en)

[origin: WO2021249770A1] A method (600) for controlling a relay (1) is described. The method (600) comprises applying (601), at a control time instant (313), a control signal to a control port (4) of the relay (1) for initiating a switch-off event or a switch-on event of the relay (1), wherein the control time instant (313) depends on a previously determined control delay (315) of the relay (1). The method (600) further comprises determining (602) arc information (406) regarding the formation of an arc between contacts (5) of the relay (1) during the switch-off event or the switch-on event of the relay (1), and updating (603) the control delay (315) based on the arc information (406).

IPC 8 full level

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