

Title (en)

Signal generation unit and method to generate a data signal in a control unit of a power system device

Title (de)

Vorrichtung und Verfahren zur Erzeugung eines Datensignals in der Steuereinheit eines Moduls eines Elektroenergiesystems

Title (fr)

Dispositif et méthode pour la génération d'un signal de données dans une unité de commande d'un dispositif de système électrique

Publication

**EP 1890214 A1 20080220 (EN)**

Application

**EP 06118943 A 20060815**

Priority

EP 06118943 A 20060815

Abstract (en)

A signal generation unit and a method for generating a data signal in a control unit of a power system device, especially of a tap changer drive unit, are provided. The signal generation unit comprises a signal relay (6) to alternately open and close at least one relay contact thereby performing a switching operation between two different output voltages and a protection circuit in parallel with the at least one relay contact for protecting the at least one relay contact against overvoltages. The at least one relay contact corresponds to two relay output terminals (8). In order to allow the signal generation unit to be used for different DC output voltages and up to a maximum rated inductive load the protection circuit comprises a transistor switch (10) in parallel with the two relay output terminals (8) and a switch control unit (11) for closing the transistor switch (10) before opening the at least one relay contact and opening the transistor switch (10) after the at least one relay contact is opened.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [YA] US 6621668 B1 20030916 - SARE JORGE [US]
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Designated contracting state (EPC)

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Designated extension state (EPC)

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