

Title (en)

METHOD FOR IDENTIFYING DIRT AND/OR DEW ON COMPONENTS OF A VOLTAGE INTERMEDIATE CIRCUIT CONVERTER

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG VON VERSCHMUTZUNG UND/ODER BETAUUNG VON BAUELEMENTEN EINES SPANNUNGSZWISCHENKREIS-UMRICHTERS

Title (fr)

PROCÉDÉ DE DÉTECTION DE SALISSURE ET/OU DE CONDENSATION SUR DES COMPOSANTS D'UN CONVERTISSEUR À CIRCUIT INTERMÉDIAIRE DE TENSION

Publication

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Application

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Abstract (en)

[origin: WO2010130470A1] The invention relates to a method for identifying dirt and/or dew on components of a voltage intermediate circuit converter. According to the invention, the temporal curve of a partial discharge pulsed current is detected at least during a precharging process of an intermediate circuit capacitor of the voltage intermediate circuit converter comprising at least one capacitor, wherein a frequency spectrum is calculated from said current pulse, and wherein depending of the result, a dirt warning and/or a dew warning is activated. Thus, the degree of dirt and/or dew of said voltage intermediate circuit converter can be determined at least during a charging process of an intermediate circuit capacitor of a voltage intermediate circuit converter, thereby preventing a breakdown including the consequences thereof.

IPC 8 full level

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