

Title (en)
METHOD AND DEVICE FOR IDENTIFYING AN INTER-TURN SHORT CIRCUIT IN PARALLEL WINDINGS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ERKENNUNG EINES WINDUNGSSCHLUSSES BEI PARALLEL ANGEORDNETEN WICKLUNGEN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE DÉTECTION D'UN COURT-CIRCUIT ENTRE SPIRES DANS DES ENROULEMENTS DISPOSÉS EN PARALLÈLE

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Application
EP 18727205 A 20180517

Priority
EP 2018062902 W 20180517

Abstract (en)
[origin: WO2019219196A1] The invention relates to a method for monitoring an electrical assembly (1) which comprises a plurality of electrical coils (L1, L2, L3) connected in parallel. In the method, the difference in current (ΔI_1 , ΔI_2 , ΔI_3) between the current (I1, I2, I3) flowing through the coils and the mean value (\bar{I}) of the currents (I1, I2, I3) flowing through the coils is ascertained for each of the coils (L1, L2, L3) connected in parallel. The differences in current (ΔI_1 , ΔI_2 , ΔI_3) are used to identify when an inter-turn short circuit occurs in one of the coils.

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Citation (search report)
See references of WO 2019219196A1

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