

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

Publication

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Application

EP 18727205 A 20180517

Priority

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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.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2019219196A1

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WO 2019219196 A1 20191121; CA 3100210 A1 20191121; CA 3100210 C 20211116; CN 112154585 A 20201229; CN 112154585 B 20220225; EP 3776780 A1 20210217; US 11131719 B2 20210928; US 2021208207 A1 20210708

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