

Title (en)
MONITORING AN ELECTRICAL ENERGY TRANSMISSION DEVICE

Title (de)
ÜBERWACHEN EINER ELEKTROENERGIEÜBERTRAGUNGSVORRICHTUNG

Title (fr)
SURVEILLANCE D'UN DISPOSITIF DE TRANSFERT D'ÉNERGIE ÉLECTRIQUE

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Application
EP 21715144 A 20210310

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Abstract (en)
[origin: WO2021204486A1] The invention relates to a method for monitoring an electrical energy transmission device (1), wherein time-resolved operating state data (3, 4) relating to current, past and/or future operating states of the electrical energy transmission device (1), environment status data (5, 6) relating to current, past and/or future environment statuses in an environment of the electrical energy transmission device (1), and/or sensor data (7) detected by at least one sensor of the electrical energy transmission device (1) is recorded. By means of a computational model (9) processing the operating state data (3, 4), environment status data (5, 6) and/or sensor data (7), a temperature curve (10) of current, past and/or future temperatures of at least one module (2, 2.1, 2.2, 2.3) of the electrical energy transmission device (1) is calculated and, based on the calculated temperature curve (10), a thermal load capacity of the module (2, 2.1, 2.2, 2.3) is determined according to a thermal load threshold for the module (2, 2.1, 2.2, 2.3).

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Citation (search report)
See references of WO 2021204486A1

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