

Title (en)

FAN ARRANGEMENT WITH BETTER AVAILABILITY, AND METHOD FOR OPERATION THEREOF

Title (de)

LÜFTERANORDNUNG MIT ERHÖHTER VERFÜGBARKEIT UND VERFAHREN ZU IHREM BETRIEB

Title (fr)

DISPOSITIF DE VENTILATION AYANT UNE DISPONIBILITÉ ÉLEVÉE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

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Application

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Abstract (en)

[origin: WO2008095565A1] The invention relates to a fan arrangement and a method for operation thereof, comprising a control module (1) for controlling two circuit breakers, two circuit breakers (3, 4), two electric motors (5, 6) which have their operating voltage  $U_{B}$  supplied to them via the circuit breakers (3, 4), and at least one temperature sensor (8) on a board (2) on which the circuit breakers (3, 4) are located, with the control module (1) having means for evaluation of a signal  $T_{NTC}$  from the temperature sensor (8) and for setting the duty ratios  $TV_1$ ,  $TV_2$  of pulsed control voltages at the circuit breakers (3, 4), taking account of this signal  $T_{NTC}$  as well as a requested fan power, such that no power loss  $P_V$  greater than a predetermined value occurs in any power component (3, 4, 7).

IPC 8 full level

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