

Title (en)

AN ELECTRIC SUPERCHARGER AND METHOD OF PROTECTING AN ELECTRIC SUPERCHARGER FROM HIGH TEMPERATURES

Title (de)

ELEKTRISCHER KOMPRESSOR UND VERFAHREN ZUM SCHUTZ EINES ELEKTRISCHEN KOMPRESSORS VOR HOHEN TEMPERATUREN

Title (fr)

COMPRESSEUR DE SURALIMENTATION ÉLECTRIQUE ET PROCÉDÉ DE PROTECTION D'UN COMPRESSEUR DE SURALIMENTATION ÉLECTRIQUE CONTRE LES HAUTES TEMPÉRATURES

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Application

EP 15801218 A 20151118

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Abstract (en)

[origin: WO2016092262A1] A method of operating a motor in an electric supercharger, the method comprising operating the motor in a first, low-Noise Vibration and Harshness (NVH), mode in which the timings of the current supply of each phase are obtained from a first source in which the timings are selected for low-NVH; monitoring a temperature of the motor; and in response to the monitored temperature exceeding a predetermined threshold, switching operation of the motor into a second, lower- temperature, mode in which the timings of the current supply of each phase are selected for generating lower temperatures in a controller of the switched-reluctance motor.

IPC 8 full level

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