

Title (en)

Temperature control system for a machine and methods of operating same

Title (de)

Temperaturregelungssystem für eine Maschine und Betriebsverfahren dafür

Title (fr)

Système de régulation de température pour une machine et procédés de fonctionnement associés

Publication

**EP 2667035 A2 20131127 (EN)**

Application

**EP 13168690 A 20130522**

Priority

US 201213478964 A 20120523

Abstract (en)

A temperature control system for an electrical machine and a method of operating the system is provided. The machine includes a housing 20 enclosing a motor 18 and a compressor 16, the housing includes a suction pipeline 28 in flow communication with the compressor. The suction pipeline 28 is configured to channel fluid into the housing 20. A temperature control system assembly includes a fluid mover 72 coupled to at least one of the rotor shaft 48 and the compressor shaft 58 and in flow communication with the suction pipeline upstream from the compressor. The fluid mover 72 is configured to channel the fluid from the suction pipeline and across at least one of the motor and the compressor. Temperature control system includes a distribution header coupled to the housing 20 and in flow communication with the fluid mover 72, the distribution header includes a first outlet coupled in flow communication to the motor to channel the fluid across the motor 18.

IPC 8 full level

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