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Hinderliter (43) **Pub. Date: Nov. 17, 2022**(54) **THERMAL MANAGEMENT SYSTEM**(52) **U.S. Cl.**(71) Applicant: **General Electric Company,**
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ABSTRACT(21) Appl. No.: **17/319,802**(22) Filed: **May 13, 2021**

A thermal management system including a fluid flow mechanism. The fluid flow mechanism includes an electric machine. A conduit is formed through the electric machine allowing a heat transfer fluid to flow therethrough. The fluid flow mechanism includes a flow device configured to provide a first portion of the heat transfer fluid to a first heat exchange circuit and a second portion of heat transfer fluid to a second heat exchange circuit. The conduit is in fluid communication with the second heat exchange circuit.

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