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Unton et al.(10) **Pub. No.: US 2022/0361371 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **ELECTRONICS CABINET COOLING
SYSTEM**(71) Applicant: **Rolls-Royce North American
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7/20736 (2013.01); **H05K 7/20818** (2013.01)(57) **ABSTRACT**

An electronics cabinet cooling system may include multiple cabinet heat exchangers mounted at an air discharge of respective different electronic cabinets. Heat from a flow of air heated by electronic components in the electronic cabinets may be received by respective cabinet heat exchangers. A liquid refrigerant flowing through the heat exchangers in parallel may be at least partially changed from liquid to gas and absorb the heat from the flow of air. A three-way tee in a common outlet header downstream from the cabinet heat exchangers may direct the gas refrigerant to a condenser and the liquid refrigerant to a receiver. The condenser may condense the gas refrigerant to liquid refrigerant, which may be routed to the receiver.

