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ISAJI et al.(10) **Pub. No.: US 2022/0386456 A1**(43) **Pub. Date: Dec. 1, 2022**(54) **CIRCUIT STRUCTURE**(30) **Foreign Application Priority Data**(71) Applicants: **AUTONETWORKS TECHNOLOGIES, LTD.**, Mie (JP); **SUMITOMO WIRING SYSTEMS, LTD.**, Mie (JP); **SUMITOMO ELECTRIC INDUSTRIES, LTD.**, Osaka (JP)

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CPC **H05K 1/0272** (2013.01); **H05K 1/0203** (2013.01); **H05K 2201/0272** (2013.01); **H05K 2201/064** (2013.01)(73) Assignees: **AUTONETWORKS TECHNOLOGIES, LTD.**, Mie (JP); **SUMITOMO WIRING SYSTEMS, LTD.**, Mie (JP); **SUMITOMO ELECTRIC INDUSTRIES, LTD.**, Osaka (JP)(57) **ABSTRACT**

Provided is a circuit structure having a novel structure with which the dissipation of heat from a heat generating component can be more reliably promoted with a short heat transfer path. A circuit structure includes: a heat generating component; bus bars connected to connection portions of the heat generating component; an insulating base member configured to hold the heat generating component and the bus bars; and a coolant flow path provided inside the base member and through which a coolant flows, the bus bars being in thermal contact with the coolant flow path.

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