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DEGUCHI(10) **Pub. No.: US 2022/0360189 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **ELECTRIC POWER CONVERTER****Publication Classification**(71) Applicant: **DENSO CORPORATION**, Kariya-city (JP)(72) Inventor: **Masataka DEGUCHI**, Toyota-shi (JP)(73) Assignee: **DENSO CORPORATION**, Kariya-city (JP)(21) Appl. No.: **17/872,507**(22) Filed: **Jul. 25, 2022****Related U.S. Application Data**

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ABSTRACT

The disclosure herein relates to an electric power converter in which a power module accommodating a switching element for electric power conversion is in contact with a cooler, and provides a structure capable of effectively cooling the power module. An electric power converter includes coolers in contact with a power module. A stacked body of the power module and the coolers is accommodated in a case. The surface of the first cooler opposite to the power module is in contact with the case, and an output bus bar is connected to a midpoint terminal and is in contact with the case. The first cooler directly cools the power module by one surface, and absorbs heat from the power module transferred via the midpoint terminal and the output bus bar by another surface.

