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Tellier et al.(10) **Pub. No.: US 2022/0361295 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **A HEATING DEVICE****Publication Classification**(71) Applicant: **VALEO AUTOMOTIVE AIR
CONDITIONING HUBEI CO. LTD.,**
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H01R 12/55 (2006.01)(72) Inventors: **Laurent Tellier**, Jingzhou (CN); **Ziran
Tong**, Jingzhou (CN); **Qiang Geng**,
Jingzhou (CN); **Ran Xiao**, Jingzhou
(CN); **Fei Liu**, Jingzhou (CN);
Qiaozheng Wu, Jingzhou (CN);
Xiaohui Liu, Jingzhou (CN)(52) **U.S. Cl.**
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H05B 2203/023 (2013.01)(73) Assignee: **VALEO AUTOMOTIVE AIR
CONDITIONING HUBEI CO. LTD.,**
Jingzhou (CN)(57) **ABSTRACT**(21) Appl. No.: **17/765,135**(22) PCT Filed: **Sep. 29, 2020**(86) PCT No.: **PCT/CN2020/118625**

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A heating device includes a PCB (10), at least one heating element (30, 31, 32), bus bars (60a, 60b, 60c) and a terminal pin (40) and a terminal plate (70). At least a portion of the PCB (10) extends out of a PCB housing (20). The terminal pin (40) is disposed in a connector housing (50) disposed at least partially outside the PCB housing (20). At least one of the connector housing (50) and the portion of the PCB (10) extending out of the PCB housing (20) includes at least one support element (52) to support the connector housing (50) in a pre-determined position with respect to the PCB (10).

