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**BONG et al.**(10) **Pub. No.: US 2023/0232718 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **THERMOELECTRIC MODULE AND POWER  
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Hak LEE**, Seoul (KR)(73) Assignee: **LG INNOTEK CO., LTD.**, Seoul (KR)(21) Appl. No.: **18/010,678**(22) PCT Filed: **Jun. 15, 2021**(86) PCT No.: **PCT/KR2021/007426**

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(2) Date: **Dec. 15, 2022**(57) **ABSTRACT**

A thermoelectric module, according to an embodiment of the present invention, comprises: a substrate; a thermoelectric element arranged on the substrate to be spaced apart from each other; and a cover member arranged on the substrate and arranged on one side of the thermoelectric element, wherein the cover member includes a first side surface closest to one side of the thermoelectric element and a second side surface facing the first side surface, the first side surface includes a first groove concave toward the second side surface, the second side surface includes a second groove concave toward the first side surface, and the width of the first groove is greater than the width of the second groove.

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