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(54) **COMMUNICATION DEVICE AND POWER
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ABSTRACT

A communication device **100** of the present invention is placed at a place which is composed of a hole configured from a side wall **11** or/and a bottom and a cover **12** covering the hole, the communication device comprising: a plate member **101** obtaining heat of the cover; a heat transfer member **102** connected to the plate member to transfer the heat of the cover; a thermoelectric generation unit **103** in which a first junction is connected to the heat transfer member and a second junction is connected to the side wall, the bottom or liquid existing in the hole; and a communication unit **104** performing communication using electric power generated by the thermoelectric generation unit.

