

**THERMALLY INSULATED BOX, REFRIGERATOR INCLUDING THERMALLY
INSULATED BOX, AND HOT WATER STORAGE APPARATUS INCLUDING
THERMALLY INSULATED BOX**

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ABSTRACT

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A thermally insulated box 1 includes an outer casing 2, an inner casing 3, at least one vacuum thermal insulator 6, and rigid polyurethane foam 5 such that a space 4 defined between the outer casing 2 and the inner casing 3 is filled with the vacuum thermal insulator 6 and the rigid polyurethane foam 5. The space 4 is filled with the vacuum thermal insulator 6 at a filling rate ranging from 40% to 80%. The rigid polyurethane foam 5 has a flexural modulus greater than or equal to 15.0 MPa.

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Fig. 1