

Title (en)  
DOUBLE-SHELL TANK

Title (de)  
DOPPELWANDIGER TANK

Title (fr)  
RÉSERVOIR À DOUBLE COQUE

Publication  
**EP 4174360 A1 20230503 (EN)**

Application  
**EP 20941713 A 20200626**

Priority  
JP 2020025366 W 20200626

Abstract (en)  
A double-shell tank includes: an inner shell having a spherical shell shape and including therein a storing portion that stores a liquid in a sealed state; an outer shell that covers the inner shell; and powdered thermal insulation that is filled in a space surrounded by an outer wall of the inner shell and an inner wall of the outer shell to become a heat insulating layer. A size of a top portion gap between the inner shell and the outer shell is equal to or more than a value obtained by adding a level difference to a size of a bottom portion gap between the inner shell and the outer shell, the level difference being a level difference between the powdered thermal insulation when the inner shell is in an empty state and the powdered thermal insulation when the liquid is in the inner shell.

IPC 8 full level  
**F17C 3/04** (2006.01); **B65D 88/04** (2006.01)

CPC (source: EP KR)  
**B65D 88/04** (2013.01 - KR); **F17C 3/04** (2013.01 - EP KR); **F17C 3/08** (2013.01 - EP); **B65D 88/04** (2013.01 - EP); **B65D 90/022** (2013.01 - EP); **F17C 2201/0104** (2013.01 - EP KR); **F17C 2201/052** (2013.01 - EP KR); **F17C 2203/0337** (2013.01 - EP); **F17C 2203/0341** (2013.01 - KR); **F17C 2203/0391** (2013.01 - EP KR); **F17C 2203/0629** (2013.01 - EP KR); **F17C 2221/012** (2013.01 - EP); **F17C 2221/014** (2013.01 - EP); **F17C 2221/033** (2013.01 - EP); **F17C 2223/0161** (2013.01 - EP KR); **F17C 2223/033** (2013.01 - EP KR); **F17C 2260/033** (2013.01 - EP); **F17C 2270/0105** (2013.01 - EP)

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Designated extension state (EPC)  
BA ME

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