

Title (en)
Double wall tank with magnetic suspension

Title (de)
Doppelwandiger Behälter mit magnetischer Aufhängung

Title (fr)
Réservoir à double paroi et suspension magnétique

Publication
EP 1571390 B1 20061129 (DE)

Application
EP 04290556 A 20040301

Priority
EP 04290556 A 20040301

Abstract (en)
[origin: EP1571390A1] The double-walled container has a permanent magnet in the vacuum chamber (5) between the inner and outer containers set opposite a high temperature supra conductor (8) . The inner container (1) and outer housing (2) each have extrusions (3,4) arranged concentric with each other whereby the extrusion of the inner container is a helically ribbed metal tube (3) whose outwardly pointing end is fitted with the extrusion of the outer housing. The permanent magnet (9) is fixed on the housing and the supra conductor on the inner container.

IPC 8 full level
B65D 90/02 (2006.01); **F17C 3/08** (2006.01); **B65D 90/06** (2006.01); **F17C 13/00** (2006.01); **F17C 13/06** (2006.01)

CPC (source: EP KR US)
F17C 3/08 (2013.01 - EP KR US); **F17C 13/06** (2013.01 - EP KR US); **F17C 2201/0128** (2013.01 - EP KR US);
F17C 2201/032 (2013.01 - EP KR US); **F17C 2201/056** (2013.01 - EP KR US); **F17C 2203/014** (2013.01 - EP KR US);
F17C 2203/017 (2013.01 - EP KR US); **F17C 2203/018** (2013.01 - EP KR US); **F17C 2203/0304** (2013.01 - EP KR US);
F17C 2203/0391 (2013.01 - EP KR US); **F17C 2203/0629** (2013.01 - EP KR US); **F17C 2203/0639** (2013.01 - EP KR US);
F17C 2205/0305 (2013.01 - EP KR US); **F17C 2205/0308** (2013.01 - EP KR US); **F17C 2209/221** (2013.01 - EP KR US);
F17C 2223/0161 (2013.01 - EP KR US); **F17C 2223/033** (2013.01 - EP KR US); **F17C 2227/0339** (2013.01 - EP KR US);
F17C 2227/0381 (2013.01 - EP KR US); **F17C 2260/033** (2013.01 - EP KR US)

Cited by
EP3287685A1; CN108072171A; CN112730505A; GB2627008A; WO2006034521A1; WO2023110354A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1571390 A1 20050907; EP 1571390 B1 20061129; AT E347069 T1 20061215; DE 502004002169 D1 20070111; JP 2005249195 A 20050915;
KR 20050088933 A 20050907; US 2005211710 A1 20050929; US 7448511 B2 20081111

DOCDB simple family (application)
EP 04290556 A 20040301; AT 04290556 T 20040301; DE 502004002169 T 20040301; JP 2005026895 A 20050202;
KR 20050007945 A 20050128; US 1653804 A 20041217