

Title (en)

LOW-TEMPERATURE FULL CONTAINMENT TANK HAVING LOW-LIQUID-LEVEL MATERIAL EXTRACTION DEVICE

Title (de)

NIEDRIGTEMPERATUR-VOLLEINSCHLUSSBEHÄLTER MIT EXTRAKTIONSVORRICHTUNG FÜR MATERIAL MIT NIEDRIGEM FLÜSSIGKEITSSTAND

Title (fr)

RÉSERVOIR DE STOCKAGE PLEIN À BASSE TEMPÉRATURE AYANT UN DISPOSITIF D'EXTRACTION DE MATÉRIAU À FAIBLE NIVEAU DE LIQUIDE

Publication

**EP 4047259 A1 20220824 (EN)**

Application

**EP 20891908 A 20201127**

Priority

- CN 201911198981 A 20191129
- CN 2020132342 W 20201127

Abstract (en)

A cryogenic full containment storage tank having a low liquid level material extraction device, comprising an inner tank (1), an outer tank (2), an operation platform (3), and a material extraction device (6) capable of extracting a low liquid level material. The material extraction device (6) comprises a material circulation tank (61) and a cryopump (65) that are installed on the operation platform (3), a first Venturi mixer (62) installed at the bottom of the inner tank (1), and connecting pipelines. The low-temperature medium in the material circulation tank (61) enters the first Venturi mixer (62) through the cryopump (65) and an inlet pipeline (63), so that the low-temperature medium in the inner tank (1) enters the first Venturi mixer (62) through the suction hole (6202) of the first Venturi mixer (62), and then enters the material circulation tank (61) through a lead-outlet pipeline (64) after being mixed.

IPC 8 full level

**F17C 9/00** (2006.01); **F17C 13/04** (2006.01)

CPC (source: CN EP)

**F17C 3/00** (2013.01 - CN); **F17C 7/02** (2013.01 - EP); **F17C 9/00** (2013.01 - CN); **F17C 2201/0109** (2013.01 - EP); **F17C 2201/0119** (2013.01 - EP); **F17C 2201/032** (2013.01 - EP); **F17C 2201/052** (2013.01 - CN EP); **F17C 2203/03** (2013.01 - EP); **F17C 2203/0629** (2013.01 - EP); **F17C 2205/0326** (2013.01 - EP); **F17C 2221/033** (2013.01 - EP); **F17C 2221/035** (2013.01 - EP); **F17C 2223/013** (2013.01 - CN); **F17C 2223/0153** (2013.01 - EP); **F17C 2223/0161** (2013.01 - EP); **F17C 2227/0114** (2013.01 - EP); **F17C 2227/0142** (2013.01 - EP); **F17C 2227/0178** (2013.01 - EP); **F17C 2227/0185** (2013.01 - EP); **F17C 2250/0408** (2013.01 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

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