

Title (en)

VACUUM CHAMBER, NOTABLY FOR STEEL DECARBURISATION

Title (de)

VAKUUMKAMMER, INSBESONDERE ZUR ENTKOHLUNG VON STAHL

Title (fr)

ENCEINTE DE TRAITEMENT SOUS VIDE NOTAMMENT DE DECARBURATION D'ACIER

Publication

**EP 1373584 A2 20040102 (FR)**

Application

**EP 02753731 A 20020321**

Priority

- FR 0200987 W 20020321
- FR 0104073 A 20010327

Abstract (en)

[origin: WO02077298A2] The invention relates to a vacuum chamber (1) notably for steel decarburisation comprising: an upper part (2), or the top of the chamber, in the form of a vacuum bell; a lower part (3), or the bottom of the chamber, comprising two jambs (4, 5) which are fitted with two plungers (7, 8), namely a rising plunger (7) and a falling plunger (8), which are intended to be submerged in the steel in the cavity containing the steel to be treated. Said plungers (7, 8) are connected to the jambs (4, 5) of the tank by means of flanges (10) and a joint (11) supporting a sealing device. The flanges (10) are used to mount and dismantle the plungers. The inventive chamber is characterised in that the joint (11) comprises at least two parallel planes (12, 13).

IPC 1-7

**C21C 7/10**

IPC 8 full level

**C21C 7/068** (2006.01); **C21C 7/10** (2006.01)

CPC (source: EP KR US)

**C21C 7/068** (2013.01 - EP US); **C21C 7/10** (2013.01 - EP KR US)

Citation (search report)

See references of WO 02077298A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02077298 A2 20021003; WO 02077298 A3 20030410**; AT E286988 T1 20050115; AU 2002308021 A1 20021008; CA 2442006 A1 20021003; CN 1524129 A 20040825; DE 60202597 D1 20050217; DE 60202597 T2 20050616; EP 1373584 A2 20040102; EP 1373584 B1 20050112; ES 2239243 T3 20050916; FR 2822849 A1 20021004; FR 2822849 B1 20031212; JP 2004529267 A 20040924; KR 20030083754 A 20031030; US 2004108634 A1 20040610

DOCDB simple family (application)

**FR 0200987 W 20020321**; AT 02753731 T 20020321; AU 2002308021 A 20020321; CA 2442006 A 20020321; CN 02807352 A 20020321; DE 60202597 T 20020321; EP 02753731 A 20020321; ES 02753731 T 20020321; FR 0104073 A 20010327; JP 2002575338 A 20020321; KR 20037012451 A 20030924; US 47240003 A 20030923