

Title (en)

TILTABLE METALLURGICAL VESSEL AND METHOD FOR FIXING AND RELEASING TILTABLE METALLURGICAL VESSEL

Title (de)

KIPPBARES WECHSELBARES METALLURGISCHES GEFÄSS UND VERFAHREN ZUM FIXIEREN UND LÖSEN EINES KIPPBAREN METALLURGISCHEN GEFÄSSES

Title (fr)

CUVE MÉTALLURGIQUE INCLINABLE ET PROCÉDÉ DE FIXATION ET DE LIBÉRATION D'UN RÉCIPIENT MÉTALLURGIQUE INCLINABLE

Publication

EP 3728651 B1 20210922 (DE)

Application

EP 18826317 A 20181219

Priority

- EP 17209051 A 20171220
- EP 2018085747 W 20181219

Abstract (en)

[origin: WO2019121858A1] The invention relates to the subject area of metallurgical systems, in particular a metallurgical vessel (1) which is fixed on a support ring (2). The object of the invention is to provide a metallurgical vessel (1) having a support ring (2) and a method for fixing and releasing, which prevents constraint forces. The tiltable metallurgical vessel (1) having a round cross-section is at least partially surrounded by a support ring (2). The support ring (2) is at a distance from the metallurgical vessel (2) in the radial direction. The metallurgical vessel (2) has at least three brackets (10), each having a respective pin (10). The support ring (2) has at least three receiving openings (14) which receive the pins (10). These receiving openings (14) permit a shifting of the pin (10) in the radial direction. The pins (10) are secured against falling out of the receiving opening (14) and the bracket (12) by at least three locking devices (20) floatingly mounted and arranged inside the support ring (2).

IPC 8 full level

F27B 3/06 (2006.01); **C21C 5/46** (2006.01); **F27B 3/28** (2006.01); **F27D 19/00** (2006.01); **F27D 21/00** (2006.01)

CPC (source: EP US)

C21C 5/4633 (2013.01 - EP US); **C21C 5/464** (2013.01 - EP); **C21C 5/4673** (2013.01 - US); **C21C 5/50** (2013.01 - US); **F27B 3/06** (2013.01 - EP); **F27B 3/065** (2013.01 - EP); **F27B 3/28** (2013.01 - EP); **F27D 19/00** (2013.01 - EP); **F27D 21/00** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3502282 A1 20190626; CN 111465708 A 20200728; CN 111465708 B 20220802; EP 3728651 A1 20201028; EP 3728651 B1 20210922; ES 2901693 T3 20220323; US 11168374 B2 20211109; US 2020385828 A1 20201210; WO 2019121858 A1 20190627

DOCDB simple family (application)

EP 17209051 A 20171220; CN 201880082673 A 20181219; EP 18826317 A 20181219; EP 2018085747 W 20181219; ES 18826317 T 20181219; US 201816770426 A 20181219