

Title (en)
TILTABLE METALLURGICAL VESSEL

Title (de)
KIPPBARES METALLURGISCHES GEFÄSS

Title (fr)
CUVE METALLURGIQUE BASCULANTE

Publication
EP 1920076 B1 20090225 (DE)

Application
EP 06791745 A 20060831

Priority
• EP 2006008501 W 20060831
• AT 14752005 A 20050909

Abstract (en)
[origin: WO2007028535A1] In the case of a tiltable metallurgical vessel having a carrying ring (2) at least partially enclosing the metallurgical vessel at a distance therefrom, supporting brackets, which are fastened on the metallurgical vessel, rest on the carrying ring, and the metallurgical vessel is fixed in a releasable manner on the carrying ring by a plurality of clamping means (6, 5a, 6b) which can be actuated by pressure-medium cylinders (14), wherein each clamping means interacts with a locking bracket (7) fastened on the metallurgical vessel and the clamping means (6) is designed such that it can be moved from a release position (B), in which it releases the locking bracket, into a clamping position (A), in which it braces the locking bracket and is braced with the carrying ring, and vice versa. In order to allow for a secured connection between the carrying ring and metallurgical vessel in an easy-to-install manner, and using just a small number of components, it is proposed that the clamping means comprises at least one housing (8), a clamping anchor (9), a pivot lever (12) and a pressure-medium cylinder (14), which acts on the pivot lever, that the clamping anchor (9) is guided in a pivotable manner in a guide means (10) in the housing (8) and is articulated in a pivotable manner on the pivot lever (12), and that the pivot lever is supported in a pivotable manner in the housing.

IPC 8 full level
C21C 5/46 (2006.01)

CPC (source: EP KR US)
C21C 5/4633 (2013.01 - EP US); **C21C 5/50** (2013.01 - EP KR US)

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

DOCDB simple family (publication)
WO 2007028535 A1 20070315; AT 502333 A1 20070315; AT 502333 B1 20071215; AT E423857 T1 20090315; BR PI0615886 A2 20110531; CN 101263232 A 20080910; CN 101263232 B 20100707; DE 502006002964 D1 20090409; EP 1920076 A1 20080514; EP 1920076 B1 20090225; ES 2322399 T3 20090619; KR 20080053358 A 20080612; RU 2008113841 A 20091020; RU 2410443 C2 20110127; US 2008265474 A1 20081030; ZA 200802973 B 20091028

DOCDB simple family (application)
EP 2006008501 W 20060831; AT 06791745 T 20060831; AT 14752005 A 20050909; BR PI0615886 A 20060831; CN 200680033189 A 20060831; DE 502006002964 T 20060831; EP 06791745 A 20060831; ES 06791745 T 20060831; KR 20087008207 A 20080404; RU 2008113841 A 20060831; US 6556706 A 20060831; ZA 200802973 A 20060831