

Title (en)
METALLURGICAL VESSEL WITH FIXING SYSTEM

Title (de)
METALLURGISCHES GEFÄß MIT BEFESTIGUNGSSYSTEM

Title (fr)
RECIPIENT METALLURGIQUE COMPRENANT UN SYSTEME DE FIXATION

Publication
EP 1828423 A2 20070905 (DE)

Application
EP 05821776 A 20051219

Priority
• EP 2005013680 W 20051219
• DE 102004062871 A 20041221

Abstract (en)
[origin: WO2006066854A2] The invention relates to a metallurgical vessel (1), particularly a converter (2), with support consoles (10) arranged on the wall (3) of the vessel. Said consoles are fixed to a support body (4) that does not fully surround the periphery of the vessel by means of a fixing system (9) which comprises clamping means (12) that engage with the support consoles (10) and can be pivoted into and out of a position of engagement. The vessel (1) can be removed from the support body (4) and can be reconnected therewith when the clamping means (12) are not in a position of engagement. According to the invention, the clamping means (12) comprise a clamping lever (13) which is engaged on one side and which describes a pivoting movement by means of a hydraulic pressure unit (17). According to the invention, the support consoles (10) and a receiving area (11) of the support body (4), which receives the respective support console, are configured in such a manner that they correspond to one another such that the respective support console (10) is guided and fixed in a secure manner even when mechanical and/or thermal movements occur.

IPC 8 full level
C21C 5/46 (2006.01); **C21C 5/50** (2006.01)

CPC (source: EP KR US)
C21C 5/46 (2013.01 - KR); **C21C 5/4633** (2013.01 - EP US); **C21C 5/50** (2013.01 - EP KR US); **F27B 3/10** (2013.01 - EP US); **F27B 3/22** (2013.01 - EP US); **F27B 3/28** (2013.01 - EP US); **F27D 3/12** (2013.01 - EP US); **F27D 19/00** (2013.01 - EP US); **F27D 2001/0079** (2013.01 - EP US)

Citation (search report)
See references of WO 2006066854A2

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 2006066854 A2 20060629; **WO 2006066854 A3 20070118**; CA 2589131 A1 20060629; CA 2589131 C 20120417; CN 100584961 C 20100127; CN 101087892 A 20071212; DE 102004062871 A1 20060706; DE 102004062871 B4 20140430; EP 1828423 A2 20070905; JP 2008524438 A 20080710; JP 4995094 B2 20120808; KR 101121497 B1 20120315; KR 20070084353 A 20070824; US 2008111286 A1 20080515; US 7871560 B2 20110118

DOCDB simple family (application)
EP 2005013680 W 20051219; CA 2589131 A 20051219; CN 200580044165 A 20051219; DE 102004062871 A 20041221; EP 05821776 A 20051219; JP 2007545978 A 20051219; KR 20077011320 A 20051219; US 79401305 A 20051219