

Title (en)
METHOD AND PLANT FOR REMOVING SLAG ACCRUING IN PARTICULAR DURING SYNTHESIS GAS RECOVERY FROM A SLAG BATH CONTAINER

Title (de)
VERFAHREN UND ANLAGE ZUR ENTFERNUNG ANFALLENDER SCHLACKEN AUS EINEM SCHLACKEBAD

Title (fr)
PROCÉDÉ ET DISPOSITIF D'EXTRACTION, HORS D'UN CONTENANT DE BAIN DE SCORIES, DE SCORIES NOTAMMENT PRODUITES LORS DE LA FABRICATION DE GAZ DE SYNTHÈSE

Publication
EP 2234709 B1 20141022 (DE)

Application
EP 09704328 A 20090121

Priority
• EP 2009000350 W 20090121
• DE 102008005704 A 20080124

Abstract (en)
[origin: CA2712623A1] A method for removing slag accumulating in particular during synthesis gas recovery from slag present in a pressurized container bath in a collecting tank for the slag, in the direction of gravity under the slag bath, wherein optionally a mechanism for breaking the slag is provided under the slag bath and a sluice valve is provided between the containers, is to clearly improve the corresponding processes and plants of the relevant kinds by improving withdrawal of slag and by preventing environmentally harmful exhaust vapors or waste gases. This is achieved in that a space that is in contact with the liquid in the containers and is filled with a gas bubble is provided, in particular an annular space or a separate container, in which the pressure of the gas bubble is controlled by gas supply such that at least part of the water present in the slag sluice/collection space flows through the slag bath valve against the direction of gravity in the direction of the slag bath when the slag bath valve is opened.

IPC 8 full level
B01J 8/00 (2006.01); **C10J 3/52** (2006.01)

CPC (source: EP US)
C10J 3/52 (2013.01 - EP US); **C10J 2300/1625** (2013.01 - EP US)

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
DE 102008005704 A1 20090730; AU 2009207850 A1 20090730; BR PI0906524 A2 20150721; CA 2712623 A1 20090730; CA 2712623 C 20160308; CN 101918125 A 20101215; CN 101918125 B 20131002; EP 2234709 A2 20101006; EP 2234709 B1 20141022; ES 2528387 T3 20150209; HK 1150159 A1 20111104; PL 2234709 T3 20150731; RU 2010134924 A 20120420; TW 200940699 A 20091001; UA 98526 C2 20120525; US 2010288711 A1 20101118; US 8414780 B2 20130409; WO 2009092569 A2 20090730; WO 2009092569 A3 20100128; WO 2009092569 A4 20100318; ZA 201005983 B 20110525

DOCDB simple family (application)
DE 102008005704 A 20080124; AU 2009207850 A 20090121; BR PI0906524 A 20090121; CA 2712623 A 20090121; CN 200980102595 A 20090121; EP 09704328 A 20090121; EP 2009000350 W 20090121; ES 09704328 T 20090121; HK 11104303 A 20110429; PL 09704328 T 20090121; RU 2010134924 A 20090121; TW 98102699 A 20090123; UA A201009950 A 20090121; US 73546109 A 20090121; ZA 201005983 A 20100823