

Title (en)

METHOD AND DEVICE FOR FEEDING CONVEYABLE MATERIALS TO REACTION FURNACES

Title (de)

VERFAHREN UND VORRICHTUNG FÜR DAS ZUFÖRDERN VON FÖRDERFÄHIGEN MATERIALIEN ZU REAKTIONSÖFEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR L'ACHEMINEMENT DE MATÉRIAUX TRANSPORTABLES DANS DES RÉACTEURS

Publication

EP 2297519 B1 20140507 (DE)

Application

EP 09757318 A 20090605

Priority

- EP 2009004061 W 20090605
- DE 102008026835 A 20080605
- DE 102008026836 A 20080605

Abstract (en)

[origin: WO2009146935A2] The invention relates to a method and a device for feeding conveyable materials to reaction furnaces by means of a hollow space that feeds into the furnace space by way of a connecting tube, said hollow space being sealed air-tight from the exterior air. A tube configured as a lance (6) is fed from the hollow space, which is sealed air-tight from the exterior air, into the furnace space (7), said tube having a cross-sectional area that is less than the conveying line connected upstream, wherein an air or gas stream flows into the furnace space (7) from the region of the hollow space upstream of the lance, said space being sealed air-tight from the exterior air, and is conveyed into the starting region of the lance by way of a mechanical conveyor (5, 15) operating at zero pressure.

IPC 8 full level

F27D 3/00 (2006.01); **F23G 5/44** (2006.01); **F23K 3/02** (2006.01); **F27D 3/08** (2006.01); **F27D 3/10** (2006.01); **F27D 3/18** (2006.01)

CPC (source: EP)

F23G 5/444 (2013.01); **F23K 3/02** (2013.01); **F27D 3/0033** (2013.01); **F27D 3/08** (2013.01); **F27D 3/10** (2013.01); **F27D 3/18** (2013.01); **F23G 2205/121** (2013.01); **F23G 2205/18** (2013.01); **F23G 2205/20** (2013.01); **F23K 2203/201** (2013.01); **F23K 2203/202** (2013.01); **F23K 2900/03001** (2013.01)

Citation (examination)

WO 2007035974 A1 20070405 - HIMMELFREUNDPOINTNER KURT [AT]

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

Designated extension state (EPC)

BA

DOCDB simple family (publication)

WO 2009146935 A2 20091210; **WO 2009146935 A3 20111229**; CN 102159889 A 20110817; CN 102159889 B 20131030; EP 2297519 A2 20110323; EP 2297519 B1 20140507

DOCDB simple family (application)

EP 2009004061 W 20090605; CN 200980129113 A 20090605; EP 09757318 A 20090605