

Title (en)

DEVICE AND METHOD FOR CONTINUOUSLY AND CATALYTICALLY REMOVING BINDER, WITH IMPROVED FLOW CONDITIONS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM KONTINUIERLICHEN KATALYTISCHEN ENTBINDERN MIT VERBESSERTEN STRÖMUNGSBEDINGUNGEN

Title (fr)

DISPOSITIF ET PROCEDE DE DEMOULAGE CATALYTIQUE CONTINU, DANS DES CONDITIONS D'ECOULEMENT AMELIOREES

Publication

EP 1899095 A2 20080319 (DE)

Application

EP 06763566 A 20060607

Priority

- EP 2006062981 W 20060607
- DE 102005027216 A 20050613

Abstract (en)

[origin: WO2006134054A2] The invention relates to a device for continuously and catalytically removing binder from metallic and/or ceramic moulded bodies produced by powder injection moulding, the device comprising a binder-removing furnace, through which the moulded bodies pass in a direction of conveyance and in which they are brought to a suitable processing temperature, a conveying device, for introducing a process gas which is needed to remove the binder and contains a reaction partner, at least one device for introducing a protective gas into a reaction chamber of the binder-removing furnace, and a burner, for burning the gaseous reaction products that result from the binder removing process, one or more devices being included which lead to a targeted flow of the process gas in the device transversely to the direction of conveyance.

IPC 8 full level

B22F 3/10 (2006.01)

CPC (source: EP KR US)

B22F 3/003 (2013.01 - EP KR US); **B22F 3/1025** (2013.01 - EP KR US); **C04B 35/638** (2013.01 - KR); **F27B 9/022** (2013.01 - EP KR US); **F27B 9/04** (2013.01 - KR); **F27B 9/20** (2013.01 - EP KR US); **F27B 9/3005** (2013.01 - EP KR US); **B22F 2998/00** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2006134054A2

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)

DE 102005027216 A1 20061221; BR PI0612135 A2 20110104; CN 101198427 A 20080611; CN 101198427 B 20100616; EA 200702657 A1 20080630; EP 1899095 A2 20080319; JP 2009501842 A 20090122; KR 20080032092 A 20080414; MX 2007015634 A 20080215; TW 200719991 A 20070601; US 2008199822 A1 20080821; US 8235710 B2 20120807; WO 2006134054 A2 20061221; WO 2006134054 A3 20070308

DOCDB simple family (application)

DE 102005027216 A 20050613; BR PI0612135 A 20060607; CN 200680021105 A 20060607; EA 200702657 A 20060607; EP 06763566 A 20060607; EP 2006062981 W 20060607; JP 2008516284 A 20060607; KR 20087000911 A 20080111; MX 2007015634 A 20060607; TW 95120856 A 20060612; US 91727906 A 20060607