

Title (en)
OVEN SYSTEM PROVIDED WITH A DISPLACEABLE SLUICE CHAMBER

Title (de)
OFENSYSTEM MIT BEWEGLICHER SCHLEUSENKAMMER

Title (fr)
SYSTEME FOUR POURVU DE SAS MOBILES

Publication
EP 1685356 B1 20110216 (DE)

Application
EP 04797928 A 20041116

Priority
• EP 2004012980 W 20041116
• DE 10353947 A 20031118

Abstract (en)
[origin: WO2005050113A1] The invention relates to an oven system for thermally treating an elongate product, in particular, a roller hearth furnace. Said system comprises a conveying unit which is used to transport the product, an oven comprising a gas-proof, closeable charging door and a sluice chamber which comprises a gas-proof closeable charging door and which is connected to the oven by means of the conveying unit. The sluice receives the product in a charged manner via the charging door and allows it to pass into the oven. The oven system is characterised in that the oven is arranged outside the conveying device of the conveying unit and the sluice chamber can be moved from a first position, wherein it receives the product transported by the conveying unit, to a second position, wherein it is docked, by means of the charging opening, in a gas-proof manner to the charging opening of the oven.

IPC 8 full level
F27B 9/26 (2006.01); **F27B 9/30** (2006.01); **F27B 9/38** (2006.01); **F27D 99/00** (2010.01); **F27D 3/00** (2006.01)

CPC (source: EP)
F27B 9/262 (2013.01); **F27B 9/30** (2013.01); **F27B 9/38** (2013.01); **F27D 99/0073** (2013.01); **F27D 2003/006** (2013.01); **F27D 2099/008** (2013.01)

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

DOCDB simple family (publication)
WO 2005050113 A1 20050602; AT E498809 T1 20110315; CN 100580358 C 20100113; CN 1879000 A 20061213; DE 10353947 A1 20050630; DE 502004012207 D1 20110331; EP 1685356 A1 20060802; EP 1685356 B1 20110216; JP 2007511734 A 20070510; TW 200523516 A 20050716; TW I321212 B 20100301

DOCDB simple family (application)
EP 2004012980 W 20041116; AT 04797928 T 20041116; CN 200480033019 A 20041116; DE 10353947 A 20031118; DE 502004012207 T 20041116; EP 04797928 A 20041116; JP 2006540292 A 20041116; TW 93135226 A 20041117