

Title (en)  
Rotating oven

Title (de)  
Drehofen

Title (fr)  
Four rotatif

Publication  
**EP 2085728 B1 20111207 (DE)**

Application  
**EP 09000693 A 20090120**

Priority  
DE 102008006682 A 20080130

Abstract (en)  
[origin: EP2085728A1] The rotating furnace comprises a heating chamber (19), in which a filling opening (20) is formed for bringing the objects (P) to be heated into the heating chamber, and a rotationally driven, circulating device (22) for transporting the objects through the heating chamber to an outlet, at which the objects are removed from the heating chamber. The heating chamber comprises side panels (16, 17), a base (18) and a cover (23). A section of the cover is formed as rotationally driven circular lid, which carries a holder for receiving the objects on its lower surface turned to the heating chamber. The rotating furnace comprises a heating chamber (19), in which a filling opening (20) is formed for bringing the objects (P) to be heated into the heating chamber, and a rotationally driven, circulating device (22) for transporting the objects through the heating chamber to an outlet, at which the objects are removed from the heating chamber. The heating chamber comprises side panels (16, 17), a base (18) and a cover (23). A section of the cover is formed as rotationally driven circular lid, which carries a holder for receiving the objects on its lower surface turned to the heating chamber. The filling opening and/or the outlet are formed as slots in the base of the heating chamber. The slots run perpendicular to the direction of motion of the objects in the heating chamber. A base central strut is surrounded by the heating chamber. The filling opening and the outlet are arranged next to each other in a circumferential direction of the heating chamber around an angle of 20-50[deg] . The cover is rotatably inserted into a circular recess. A rotary drive for the lid is arranged in the central struts. An articulated arm robot (R) is intended for placing the objects on the holder or for removing from the holder. The heating chamber stands on supports and a free space is formed below the base.

IPC 8 full level  
**F27B 9/16** (2006.01); **C21D 9/00** (2006.01); **F27B 9/38** (2006.01); **F27B 9/39** (2006.01)

CPC (source: EP)  
**C21D 9/0037** (2013.01); **F27B 9/16** (2013.01); **F27B 9/38** (2013.01); **F27B 9/39** (2013.01)

Cited by  
DE102014004398A1; WO2014063807A1

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)  
**EP 2085728 A1 20090805; EP 2085728 B1 20111207**; AT E536523 T1 20111215; DE 102008006682 A1 20090813; ES 2378923 T3 20120419

DOCDB simple family (application)  
**EP 09000693 A 20090120**; AT 09000693 T 20090120; DE 102008006682 A 20080130; ES 09000693 T 20090120