Title (en)
   Shaft furnace

Title (de)
   Schachtofen

Title (fr)
   Four à cuve

Publication
   EP 2392880 A1 20111207 (DE)

Application
   EP 10005714 A 20100602

Priority
   EP 10005714 A 20100602

Abstract (en)
   Shaft furnace (1) for heat treatment of a material of larger length comprises: a furnace wall (3); a furnace chamber (7) surrounding the furnace wall; and burners (11) for firing the furnace chamber, where the furnace wall exhibits a lateral opening to the furnace chamber, and the furnace is charged with the material through the lateral opening. The lateral opening is closed by a door (31), where the door is arranged on a movable framework, and is completely removable from the lateral opening. An independent claim is also included for heat treatment of at least one material of larger length in the shaft furnace, comprising introducing the material of larger length into the furnace chamber through the lateral opening, and holding the material in the furnace chamber, closing the lateral opening by the door, firing the furnace chamber by the burner for the heat treatment of the material, detaching the door from the lateral opening, and conducting out the material from the furnace chamber through the lateral opening.

Abstract (de)
   Die Erfindung betrifft einen Schachtofen zur Wärmebehandlung von Gütern großer Länge sowie ein Verfahren zur Wärmebehandlung wenigstens eines Gutes großer Länge in einem solchen Schachtofen, der mit einer seitlichen Öffnung und einer die Öffnung verschliessender Tür versehen ist.

IPC 8 full level
   F27B 17/00 (2006.01); **C21D 9/66** (2006.01)

CPC (source: EP)
   C21D 9/66 (2013.01); **F27B 17/0016** (2013.01); **F27D 99/0033** (2013.01)

Citation (search report)
   [XI] US 2007007272 A1 20070111 - NAPOLI MASSACO S [BR], et al

Designated contracting state (EPC)
   AL 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 SM TR

Designated extension state (EPC)
   BA ME RS

DOCDB simple family (publication)
   EP 2392880 A1 20111207; **EP 2392880 B1 20130320**; RU 2012130839 A 20140127; WO 2011150951 A1 20111208

DOCDB simple family (application)
   EP 10005714 A 20100602; EP 2010007939 W 20101223; RU 2012130839 A 20101223