

Title (en)

Method and continuous furnace for heating workpieces

Title (de)

Verfahren und Durchlaufofen zum Erwärmen von Werkstücken

Title (fr)

Procédé et four à passage continu destinés au chauffage de pièces à usiner

Publication

EP 2110448 B1 20181024 (DE)

Application

EP 09005231 A 20090409

Priority

- DE 102008019471 A 20080417
- DE 102008055980 A 20081105

Abstract (en)

[origin: EP2110448A2] Heat treatment of a workpiece in a continuous furnace (10) comprises transporting it through the furnace to the point where a section (22) of it projects outside the furnace. The conveyor (30) is then stopped and the section (21) of the workpiece inside the furnace is further treated before the conveyor is started again. An independent claim is included for a continuous furnace for carrying out the method which has a conveyor fitted with a control system for stopping and starting it.

IPC 8 full level

C21D 9/00 (2006.01); **B21J 1/06** (2006.01); **B62D 25/04** (2006.01); **F27B 9/02** (2006.01); **F27B 9/24** (2006.01); **F27B 9/30** (2006.01)

CPC (source: EP US)

C21D 9/0056 (2013.01 - EP US); **C21D 9/0068** (2013.01 - EP US); **F27B 9/2407** (2013.01 - EP US); **F27B 9/2469** (2013.01 - EP US); **F27B 9/30** (2013.01 - EP US); **F27D 5/00** (2013.01 - EP US); **C21D 1/673** (2013.01 - EP US); **C21D 2221/00** (2013.01 - EP US)

Cited by

DE102011114764A1; EP2336374A1; DE102011114764B4; EP2365100A3; WO2011082934A1; WO2014173703A1; WO2010089103A1; US10590500B2

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 2110448 A2 20091021; EP 2110448 A3 20130213; EP 2110448 B1 20181024; DE 102008055980 A1 20091029; ES 2707225 T3 20190403; US 2009263758 A1 20091022; US 8529250 B2 20130910

DOCDB simple family (application)

EP 09005231 A 20090409; DE 102008055980 A 20081105; ES 09005231 T 20090409; US 42261109 A 20090413