

Title (en)

METHOD FOR THE HEAT TREATMENT OF CASTINGS USING AN AIR QUENCH AND SYSTEM FOR IMPLEMENTING THE METHOD

Title (de)

VERFAHREN ZUR WÄRMEBEHANDLUNG VON GUSSTEILEN UNTER VERWENDUNG EINER LUFTABSCHRECKUNG UND SYSTEM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE TRAITEMENT THERMIQUE DE PIÈCES DE FONDERIE METTANT EN OEUVRE UNE TREMPÉ A L'AIR ET SYSTÈME POUR LA MISE EN OEUVRE DU PROCÉDÉ

Publication

EP 2167693 B1 20191009 (FR)

Application

EP 08761238 A 20080619

Priority

- EP 2008057813 W 20080619
- FR 0755974 A 20070622

Abstract (en)

[origin: WO2009000751A1] The invention relates according to a first aspect to a method for the heat treatment of a batch of castings, in which an air quench is applied to the castings of the batch that are arranged in a single layer. The invention also extends to a system for the heat treatment of a batch of castings that includes a ventilation system in order to cause a flow of cooling air, characterized in that it includes means for placing the castings of the batch in a single layer and means for bringing the single layer of castings beneath the ventilation system so as to apply an air quench to the single layer comprising the castings of the batch.

IPC 8 full level

B22D 30/00 (2006.01); **C21D 1/56** (2006.01); **C21D 1/62** (2006.01); **C21D 1/767** (2006.01); **C21D 9/00** (2006.01); **C21D 9/675** (2006.01); **C22F 1/04** (2006.01); **F27B 9/12** (2006.01); **F27D 15/02** (2006.01)

CPC (source: EP US)

B22D 30/00 (2013.01 - EP US); **C21D 1/56** (2013.01 - EP US); **C21D 1/62** (2013.01 - EP US); **C21D 1/767** (2013.01 - EP US); **C21D 9/0018** (2013.01 - EP US); **C21D 9/0025** (2013.01 - EP US); **C21D 9/0068** (2013.01 - EP US); **C21D 9/675** (2013.01 - EP US); **C22F 1/043** (2013.01 - EP US); **F27B 9/12** (2013.01 - EP US)

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2917752 A1 20081226; **FR 2917752 B1 20190628**; EP 2167693 A1 20100331; EP 2167693 B1 20191009; ES 2763177 T3 20200527; HU E047330 T2 20200428; PL 2167693 T3 20200615; US 2010236669 A1 20100923; US 8580052 B2 20131112; WO 2009000751 A1 20081231

DOCDB simple family (application)

FR 0755974 A 20070622; EP 08761238 A 20080619; EP 2008057813 W 20080619; ES 08761238 T 20080619; HU E08761238 A 20080619; PL 08761238 T 20080619; US 66595908 A 20080619