

Title (en)

METHOD FOR OPERATING A FURNACE IN A SYSTEM FOR PROCESSING METAL

Title (de)

VERFAHREN ZUM BETREIBEN EINES OFENS IN EINER ANLAGE ZUR METALLVERARBEITUNG

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN FOUR DANS UNE INSTALLATION DE TRAVAIL DES MÉTAUX

Publication

EP 2655995 B1 20140528 (DE)

Application

EP 11804698 A 20111222

Priority

- DE 102010063839 A 20101222
- EP 2011073894 W 20111222

Abstract (en)

[origin: WO2012085258A1] The invention relates to a method for operating a furnace (1) in a system for processing metal, in particular a strand casting system, wherein exhaust gas (A) from the furnace (1) is conducted along a flow path (S) through at least one recuperator (2), wherein fresh air (F) for the furnace (1) is preheated in the recuperator (2) by means of the thermal energy contained in the exhaust gas (A) and the heated air is supplied to the furnace (1) and wherein the exhaust gas (A) is conducted into a flue (3) downstream of the recuperator (2) in the flow direction. In order to achieve improved use of energy, a heat exchanger (4), to which water (W) is supplied and in which the water is heated, is arranged in the flow path (S) or parallel to the flow path (S), wherein the heated water or the generated steam is used to operate a system for generating electricity (5) or is fed to a consumer of hot water. The invention further relates to a system for processing metal, in particular a strand casting system.

IPC 8 full level

F27B 9/30 (2006.01); **F27D 17/00** (2006.01)

CPC (source: EP)

F27B 9/3011 (2013.01); **F27D 17/004** (2013.01)

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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012085258 A1 20120628; DE 102010063839 A1 20120628; EP 2655995 A1 20131030; EP 2655995 B1 20140528

DOCDB simple family (application)

EP 2011073894 W 20111222; DE 102010063839 A 20101222; EP 11804698 A 20111222