

Title (en)

METHOD OF CLEANING HEAT TRANSFER SURFACES OF A POWERHOUSE

Title (de)

VERFAHREN ZUR REINIGUNG VON WÄRMEÜBERTRAGUNGSFLÄCHEN EINES MASCHINENHAUSES

Title (fr)

PROCÉDÉ DE NETTOYAGE DE SURFACES DE TRANSFERT DE CHALEUR D'UNE SALLE DES MACHINES

Publication

EP 3390908 A1 20181024 (EN)

Application

EP 16874973 A 20161219

Priority

- FI 20155970 A 20151218
- FI 2016050897 W 20161219

Abstract (en)

[origin: WO2017103345A1] A method of cleaning a heat-transfer surface which is connected to a masonry structure of a combustion boiler, in which method the surface is cleaned by blasting solid particles onto it. According to the present invention, the blasting is carried out at a pressure of 8-12 bar, in essentially water-free conditions, using particles of metal slag, the particle size of which is approximately 0.3-3.0 mm. In particular, nickel or copper slag is used, in which case, in dry conditions, it is possible to remove dirt from the metal surfaces of objects that are difficult to clean, without damaging the surface. At the same time, it is possible to avoid the damaging effect of the water which flows from the surface to be cleaned onto the structures which are in contact with the surface or are near the surface.

IPC 8 full level

F23J 3/02 (2006.01); **B24C 1/00** (2006.01); **B24C 11/00** (2006.01); **F28G 1/16** (2006.01)

CPC (source: EP FI)

B24C 1/00 (2013.01 - FI); **B24C 11/00** (2013.01 - EP FI); **F23J 3/023** (2013.01 - EP FI); **F28G 1/12** (2013.01 - EP); **F28G 1/16** (2013.01 - EP); **F28G 1/166** (2013.01 - FI); **F22B 37/02** (2013.01 - EP)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017103345 A1 20170622; BR 112018012229 A2 20181127; BR 112018012229 B1 20220816; DK 3390908 T3 20211122; EP 3390908 A1 20181024; EP 3390908 A4 20190626; EP 3390908 B1 20210818; ES 2898784 T3 20220308; FI 128181 B 20191129; FI 20155970 A 20170619; PL 3390908 T3 20220131; PT 3390908 T 20211119

DOCDB simple family (application)

FI 2016050897 W 20161219; BR 112018012229 A 20161219; DK 16874973 T 20161219; EP 16874973 A 20161219; ES 16874973 T 20161219; FI 20155970 A 20151218; PL 16874973 T 20161219; PT 16874973 T 20161219