Title (en)

METHOD FOR MECHANICAL STOKING IN FIRING INSTALLATIONS AND FIRING INSTALLATION

Title (de)

VERFAHREN ZUR WURFBESCHICKUNG BEI FEUERUNGSANLAGEN UND FEUERUNGSANLAGE

Title (fr)

PROCÉDÉ DE CHARGEMENT PAR PROJECTION DE CHAUFFERIES ET CHAUFFERIE

Publication

EP 2242949 A2 20101027 (DE)

Application

EP 09711622 A 20090212

Priority

- EP 2009051623 W 20090212
- DE 102008010235 A 20080221

Abstract (en)

[origin: WO2009103655A2] A method is disclosed for mechanical stoking in firing installations, in which fuel (3, 7) is applied using a mechanical stoker (4) to a grate (2), which is disposed in the firing chamber (1), wherein the mechanical stoker is oriented opposite the delivery direction of the grate (2), and a corresponding installation. The method is characterized in that the fuel (3, 7) is introduced directly below the firing chamber ceiling (5), viewed in the delivery direction of the grate (2) before the end of the grate, so that a burnout zone (10), which does not have fresh fuel (3, 7) applied thereto, is created on the grate (2) between the mechanical stoker (4) and the end of the grate (2). The residual carbon content of the ash can thus be decreased and a decrease of the rotational speed of the mechanical stoker can also be achieved.

IPC 8 full level

F23B 40/02 (2006.01); **F23K 3/18** (2006.01)

CPC (source: EP US)

F23B 40/02 (2013.01 - EP US); **F23K 3/18** (2013.01 - EP US)

Citation (search report)

See references of WO 2009103655A2

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009103655 A2 20090827; **WO 2009103655 A3 20100225**; CA 2716179 A1 20090827; CN 101946125 A 20110112; CN 101946125 B 20121205; DE 102008010235 A1 20090917; DE 102008010235 B4 20100701; EP 2242949 A2 20101027; EP 2242949 B1 20181114; US 2010323310 A1 20101223

DOCDB simple family (application)

EP 2009051623 W 20090212; CA 2716179 A 20090212; CN 200980105870 A 20090212; DE 102008010235 A 20080221; EP 09711622 A 20090212; US 86626309 A 20090212