

Title (en)

System for handling and treatment of solid combustion residues from a combustion plant

Title (de)

Anlage zur Handhabung und Aufbereitung von festen Verbrennungsrückständen aus einer Feuerungsanlage

Title (fr)

Installation pour la manipulation et la préparation de résidus de combustion solides d'une installation de combustion

Publication

EP 1818611 A3 20090318 (DE)

Application

EP 06026575 A 20061221

Priority

DE 102006003506 A 20060124

Abstract (en)

[origin: EP1818611A2] The extractor for solid combustion residue from a furnace has a catch collector (1) arranged under the ash outlet funnels (2) of the furnace and a water bath. The catch container above the water bath is a breaker (4) for comminuting the residue. There is a hydraulic feeder (5) to extract a suspension of the water and residue particulates to a separator for extraction of the solids. The funnel can extend into the water bath.

IPC 8 full level

F23J 1/00 (2006.01)

CPC (source: EP)

F23J 1/00 (2013.01); **F23J 2700/001** (2013.01); **F23J 2700/002** (2013.01); **F23J 2700/003** (2013.01); **F23J 2900/01001** (2013.01); **F23J 2900/01003** (2013.01); **F23J 2900/01004** (2013.01); **F23J 2900/01005** (2013.01); **F23J 2900/01006** (2013.01)

Citation (search report)

- [XY] DE 730359 C 19430111 - KOHLENSCHIEDUNGS GMBH
- [X] US 1957583 A 19340508 - FORESMAN ROBERT A
- [Y] DE 451056 C 19271020 - MAX BIRKNER
- [Y] US 4790250 A 19881213 - TURNER ABNER B [US]
- [Y] US 2252501 A 19410812 - FORESMAN ROBERT A
- [Y] DE 10220813 A1 20031009 - SCHAUENBURG MASCH [DE]
- [A] US 1772452 A 19300812 - ALLEN FRANK B
- [A] DE 332765 C 19210204 - OTTO BUEHRING
- [A] DE 19534822 A1 19970327 - LENTJES KRAFTWERKSTECHNIK [DE]

Cited by

US9216419B2; EP3239609A1; DE102011013030A1; US2014054202A1; US2015129466A1; WO2012119739A3; US9776106B2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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