

Title (en)

METHOD OF CLEANING SURFACES SOILED BY DEPOSITS ACCRUED DURING CONBUSTION OF CARBON MATERIALS

Publication

EP 0053085 B1 19831012 (FR)

Application

EP 81420171 A 19811123

Priority

FR 8025389 A 19801126

Abstract (en)

[origin: ES8300996A1] A process for cleaning surfaces of installations fouled by products of combustion of carbon-bearing materials, such as in particular boiler combustion chambers, rotary or static heat exchangers, combustion product ducts and flues, electrostatic filters, etc., which are to be cleaned without having to stop the combustion process, in order to maintain maximum thermal efficiency in order thereby to make a substantial energy saving, in which an aqueous solution of ammonium nitrate and potassium nitrate is injected into the installation, the deposited substances being detached from the installation by means of sound sources.

IPC 1-7

F23J 3/02; **F28G 7/00**; **F28G 9/00**; **C23G 5/00**

IPC 8 full level

B08B 7/00 (2006.01); **C23G 5/00** (2006.01); **F23J 3/02** (2006.01); **F28G 7/00** (2006.01); **F28G 9/00** (2006.01)

CPC (source: EP US)

B08B 7/0007 (2013.01 - EP US); **C23G 5/00** (2013.01 - EP US); **F23J 3/023** (2013.01 - EP US); **F28G 7/00** (2013.01 - EP US); **F28G 9/00** (2013.01 - EP US)

Cited by

EP0458533A1; WO0178912A1; EP0058086B1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0053085 A1 19820602; **EP 0053085 B1 19831012**; AT E5023 T1 19831015; CA 1173335 A 19840828; DE 3161192 D1 19831117; ES 507417 A0 19821101; ES 8300996 A1 19821101; FR 2494814 A1 19820528; GR 68327 B 19811130; PT 74036 A 19811201; PT 74036 B 19830426; US 4396434 A 19830802

DOCDB simple family (application)

EP 81420171 A 19811123; AT 81420171 T 19811123; CA 390677 A 19811123; DE 3161192 T 19811123; ES 507417 A 19811125; FR 8025389 A 19801126; GR 810166603 A 19811124; PT 7403681 A 19811125; US 32030181 A 19811112