

Title (en)
PROCESS AND DEVICE FOR CLEANING GAS-GAS HEAT EXCHANGERS

Publication
EP 0197023 A3 19861230 (DE)

Application
EP 86890062 A 19860313

Priority
AT 88285 A 19850325

Abstract (en)
[origin: EP0197023A2] A method for cleaning gas/gas-heat exchangers contaminated with ammonium hydrogen sulphate, particularly Ljungström air preheaters of boiler plants equipped with DeNOx systems consists in that all the heating surfaces of the air preheater (2) are temporarily heated above the vapourisation temperature of ammonium hydrogen sulphate by passing through a gas stream and that the vaporised ammonium hydrogen sulphate is carried out with the gas stream, the heating surfaces being optionally heated with flue gas, hot air, heating gas, hot gas or with a combination of these types of heating. For example, a device for heating the heating surfaces with flue gas consists in that a bypass line (11) with a blocking flap (E) in front of the inlet-side blocking flap (A) comes from the fresh-air line (4) of the air preheater (2) and opens into the hot-air line (5) after the output-end blocking flap (B). The blocking flaps (A) and (B) are closed and the blocking flap (E) is opened for cleaning. <IMAGE>

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F23J 3/00 (2006.01); **F28G 13/00** (2006.01)

CPC (source: EP)
F23J 3/00 (2013.01); **F28G 13/005** (2013.01)

Citation (search report)

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- [X] PATENTS ABSTRACTS OF JAPAN, Band 3, Nr. 120 (M-75), 9. Oktober 1979, Seite 64 M 75; & JP-A-54 095 058 (ISHIKAWAJIMA HARIMA JUKOGYO K.K.) 27-07-1979
- [Y] PATENTS ABSTRACTS OF JAPAN, Band 3, Nr. 42 (M-55), 12. April 1979, Seite 73 M 55; & JP-A-54 019 244 (MITSUBISHI JUKOGYO K.K.) 13-02-1979
- [Y] PATENTS ABSTRACTS OF JAPAN, Band 7, Nr. 126 (M-219)[1271], 31. Mai 1983; & JP-A-58 043 320 (BABCOCK HITACHI K.K.) 14-03-1983
- [A] PATENTS ABSTRACTS OF JAPAN, Band 8, Nr. 69 (M-286)[1506], 31. März 1984; & JP-A-58 217 199 (BAANAA INTERNATIONAL K.K.) 17-12-1983

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