

Title (en)
DEVICE IN THE FLUE DUCT OF OIL OR GAS FIRED HEATING BOILERS

Publication
EP 0060345 A3 19830202 (DE)

Application
EP 81110299 A 19811210

Priority
DE 3110306 A 19810317

Abstract (en)
[origin: EP0060345A2] In heating boilers (1) fired with oil or gas, air should be added to the flue gases to prevent condensate separation in the chimney (3). For this purpose, an air duct (7) is attached to the flue duct (6). Furthermore, means are provided for feeding air into the flue gas stream, namely a constriction (5) of the flue gas duct (6) upstream of the air inlet or an air injection impeller (11) in the air duct (7). In particular, the air injection impeller (11) should be controlled by a temperature sensor (9) in the flue gas stream so that air is added below a specified flue gas temperature. <IMAGE>

IPC 1-7
F23J 11/00; F23J 15/00

IPC 8 full level
F23L 11/02 (2006.01)

CPC (source: EP)
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Citation (search report)

- [X] FR 686569 A 19300728
- [X] DE 2101495 A1 19720727 - BIELING F
- [A] DE 1940680 A1 19710304 - HOENLINGER HERMANN
- [A] DE 2235386 A1 19740207 - HUEBENTHAL ALOYS
- [A] DE 2348012 A1 19750403 - KUTZNER LUITPOLD

Cited by
GB2329856B; DE19729716B4; FR2884297A1; US4920866A; GB2275099A; GB2275099B; EP0794385A1; NL1002536C2; AT402232B; EP1184624A1; NL1016049C2; DE4109576A1; US6331141B1; WO8801198A3

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