

Title (en)

MIXING DEVICE FOR OIL BURNER

Publication

EP 0538594 A3 19930630 (DE)

Application

EP 92114810 A 19920829

Priority

DE 4134651 A 19911019

Abstract (en)

[origin: EP0538594A2] Arranged as swirl bodies at an angle of incidence (β) of more than 45 DEG at the discharge cone (5) of a burner pipe (1) are at least six guide vanes (6). A division of the secondary air into individual swirl jets takes place, with a great acceleration effect. As a result, a greater waste gas recirculation is caused at the flame envelope region and the flame surface area is increased. The NO_x formation is reduced.
<IMAGE>

IPC 1-7

F23D 11/40

IPC 8 full level

F23D 11/40 (2006.01)

CPC (source: EP)

F23D 11/406 (2013.01)

Citation (search report)

- [AD] DE 3937925 A1 19910516 - ELECTRO OIL GMBH [DE]
- [A] US 2790490 A 19570430 - SMITH EARL K
- [A] GB 954664 A 19640408 - LAING NIKOLAUS

Cited by

DE102014116411B4

Designated contracting state (EPC)

AT CH DE FR IT LI

DOCDB simple family (publication)

EP 0538594 A2 19930428; EP 0538594 A3 19930630; EP 0538594 B1 19960110; AT E132957 T1 19960115; DE 4134651 A1 19930422; DE 4134651 C2 19930909; DE 4134651 C3 19990318; DE 59205001 D1 19960222

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