

Title (en)

Arrangement for burner with mechanical atomization of oil

Title (de)

Anordnung für Ölbrenner mit Druckzerstäubung

Title (fr)

Agencement pour brûleur à pulvérisation mécanique de l'huile

Publication

EP 0829685 A3 19981125 (DE)

Application

EP 97111318 A 19970704

Priority

DE 19627278 A 19960706

Abstract (en)

[origin: DE19627278A1] Heating oil is conveyed from a storage container to the burner of a combustion chamber by means of an oil pressure pump. Between the oil inflow pipe and a oil burner connection is a housing (5) containing a pivot mounted impeller wheel (3) fitted with blades (4) with holes (4a). Baffle plates (5a) are fixed in the air gap (5b) between the housing and the impeller wheel. The holes are staggered in height in relation to the adjacent blades. The housing with the electric motor (1) forms a separate unit.

IPC 1-7

F23K 5/10

IPC 8 full level

F23K 5/10 (2006.01)

CPC (source: EP)

F23K 5/10 (2013.01)

Citation (search report)

- [Y] DE 4443770 A1 19960704 - SALZL HEINZ [DE], et al
- [Y] EP 0487741 A1 19920603 - HIRATA KIICHI [JP]
- [A] GB 2124095 A 19840215 - WEN BIN LEE

Cited by

DE10030493A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19627278 A1 19980115; EP 0829685 A2 19980318; EP 0829685 A3 19981125

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DE 19627278 A 19960706; EP 97111318 A 19970704