

Title (en)
Oil evaporation burner

Title (de)
Ölverdampfungsbrenner

Title (fr)
Brûleur à évaporation de mazout

Publication
EP 0756133 A3 19970903 (DE)

Application
EP 96111491 A 19960717

Priority
DE 19527088 A 19950725

Abstract (en)
[origin: EP0756133A2] The oil burner has deflectors (3) which create a swirling flow in the chamber (3') defined by the deflectors. There are least two injectors pointing at a tangent into the chamber. The deflectors consists of at least two identical, cylindrical plates (3") with the same cross-section over their entire length. A fuel feed pipe (2) with nozzle (D) points into the space defined by the deflectors. Air feeders formed by free-standing tubes (12) are positioned in front of the injectors with air outlets pointing into the injectors. The tubes and deflector plates are positioned on an air feed chamber (13). The deflector plates, on the inflow side, have smooth-surface extensions in front of curved walls (14). The deflector plates and tubes are axially parallel with the burner axis (11).

IPC 1-7
F23C 7/00; **F23C 9/00**

IPC 8 full level
F23C 7/00 (2006.01); **F23C 9/00** (2006.01)

CPC (source: EP)
F23C 7/002 (2013.01); **F23C 9/006** (2013.01); **F23C 2900/06041** (2013.01); **F23C 2900/07002** (2013.01); **F23C 2900/09002** (2013.01)

Citation (search report)
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Cited by
US7491056B2; WO2006048405A1

Designated contracting state (EPC)
AT BE CH DE FR GB LI

DOCDB simple family (publication)
EP 0756133 A2 19970129; **EP 0756133 A3 19970903**; DE 19527088 A1 19970130

DOCDB simple family (application)
EP 96111491 A 19960717; DE 19527088 A 19950725