

Title (en)

APPARATUS FOR THE COMBUSTION OF VARIOUS TYPES OF OIL

Title (de)

VORRICHTUNG ZUR VERBRENNUNG VON VERSCHIEDENEN ÖLARTEN

Title (fr)

APPAREIL POUR LA COMBUSTION DE DIVERS TYPES D'HUILE

Publication

EP 2092239 A1 20090826 (EN)

Application

EP 07817833 A 20071009

Priority

- DK 2007000437 W 20071009
- DK PA200601466 A 20061109

Abstract (en)

[origin: WO2008055497A1] Apparatus for the combustion of various types of oil where the apparatus comprises: - a nozzle creating an oil mist; - ignition means arranged adjacent the nozzle for igniting the oil mist; - combustion air supply means in which the combustion air supply means comprises an air flow channel in the shape of a cylinder, said cylinder having an air inlet opening and an outlet opening arranged in opposite ends of said cylinder, and where inside of the cylinder the nozzle and ignition means are arranged, and where in or adjacent the outlet opening, air and/or mist distribution means in the shape of a non-rotatable disc having an outer and inner diameter is arranged, wherein the disc has a conical section shape, such that the inner diameter of the disc is closer to the cylinder's air inlet opening and the outer diameter of the disc is arranged proximate the outlet opening of the cylinder, and where a plurality of wings are arranged radially around the disc, for directing the airflow leaving the cylinder.

IPC 8 full level

F23C 7/00 (2006.01); **F23D 11/40** (2006.01); **F23D 11/44** (2006.01); **F23G 7/05** (2006.01); **F23K 5/20** (2006.01)

CPC (source: EP)

F23C 7/004 (2013.01); **F23D 11/408** (2013.01); **F23D 11/448** (2013.01); **F23G 7/05** (2013.01); **F23K 5/20** (2013.01); **F23C 2900/99009** (2013.01)

Citation (search report)

See references of WO 2008055497A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008055497 A1 20080515; EP 2092239 A1 20090826

DOCDB simple family (application)

DK 2007000437 W 20071009; EP 07817833 A 20071009