

Title (en)
Fuel atomisers for oil burners.

Title (de)
Brennstoffzerstäuber für Ölbrenner.

Title (fr)
Pulvérisateur de combustible pour des brûleurs à mazout.

Publication
EP 0092002 A1 19831026 (EN)

Application
EP 82302010 A 19820420

Priority
EP 82302010 A 19820420

Abstract (en)
An oil fuel atomiser for use in an oil burner comprises a cap (16) screwed onto a body member (10). The cap (16) and body member (10) are shaped to define an annular mixing chamber (15) with a plurality of exit ports (14) to give a conical spray of oil droplets. The oil may be fed through a central passage (11) through the body into inlet ports (13, 30) in the mixing chamber (15) or may be fed through an annular passage (21) or passages into the mixing chamber (15). The atomising fluid is fed through an annular passage (21) or through a central passage (11) also into the mixing chamber (15). The oil ports are arranged to produce toroidal recirculation in the annular mixing chamber (15) and the atomising fluid is injected into the mixing chamber (15) at a plurality of positions to give good mixing.

IPC 1-7
F23D 11/12

IPC 8 full level
F23D 11/10 (2006.01)

CPC (source: EP)
F23D 11/103 (2013.01)

Citation (search report)
• [A] US 1785804 A 19301223 - HENRY ADAMS
• [A] US 1785802 A 19301223 - HENRY ADAMS
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