

Title (en)
COMBUSTION APPARATUS.

Title (de)
VERBRENNUNGSGERÄT.

Title (fr)
APPAREIL A COMBUSTION.

Publication
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Application
EP 93913235 A 19930528

Priority
• GB 9301128 W 19930528
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Abstract (en)
[origin: WO9408178A1] Apparatus for burning crude oil has a conduit (12) without a flow restriction orifice and which receives oil to be burned. The conduit (12) has a plurality of inclined nozzles (28) which are also arranged about the longitudinal axis of the bore (30) so as to be substantially tangential to the interior surface. A supply of high velocity air is passed through an inlet manifold (32) and inside a housing (18) surrounding the conduit (12) in the vicinity of the nozzles (28) where it passes through the nozzles (28) into the bore (30) of the conduit (12). The high velocity air breaks the fuel up into particles and pounds the particles with an angular velocity causing the particles to swirl or rotate as a fine mist in one direction about the longitudinal axis at the outlet (16).

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