

Title (en)

SWIRL-STABILIZED BURNER FOR THERMAL MANAGEMENT OF EXHAUST SYSTEM AND ASSOCIATED METHOD

Title (de)

WIRBELSTABILISIERTER BRENNER ZUR WÄRMEVERWALTUNG EINES ABGASSYSTEMS UND ZUGEHÖRIGES VERFAHREN

Title (fr)

BRELEUR A STABILISATION DE REMOUS POUR GESTION THERMIQUE DE SYSTEME D'ECHAPPEMENT, ET PROCEDE ASSOCIE

Publication

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Application

EP 06772742 A 20060609

Priority

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Abstract (en)

[origin: WO2006138174A2] An apparatus (10) comprises a reciprocating or Wankel engine (16), an exhaust gas passageway (20) fluidly coupled to the engine, and a fuel-fired burner (12). The burner is positioned in the exhaust gas passageway (20) and comprises a swirler (22) configured to swirl exhaust gas of the engine (16) so as to stabilize in the exhaust gas passageway (20) a flame generated by the burner (12) without use of supplemental combustion air when the engine (16) is operating above idle. An associated method is disclosed.

IPC 8 full level

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CPC (source: EP US)

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