

Title (en)

INWARDLY FIRING BURNER AND USES THEREOF

Title (de)

NACH INNEN FLAMMENDER BRENNER UND VERWENDUNGEN DAVON

Title (fr)

BRÛLEUR D'ALLUMAGE INTERNE ET SES UTILISATIONS

Publication

EP 2235447 A1 20101006 (EN)

Application

EP 08794563 A 20080717

Priority

- US 2008008753 W 20080717
- US 518107 A 20071226

Abstract (en)

[origin: US2009165733A1] An inwardly firing burner design is shown which can be used in a variety of heating applications. A water heater apparatus is also shown which includes a water heating tank having generally cylindrical sidewalls with upper and lower ends, each of which is closed by a transverse wall section to define a closed tank interior. The tank also has a water inlet and a water outlet. A plurality of vertically arranged fire tubes are connected between the upper and lower transverse wall sections, each fire tube having an open interior for conducting products of combustion. A burner assembly is mounted on the tank which features the inwardly firing construction that eliminates the need for an external combustion chamber.

IPC 8 full level

F24H 1/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009082415A1

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