

Title (en)
RADIANT HEATER

Publication
EP 0312005 A3 19890719 (EN)

Application
EP 88116924 A 19881012

Priority
CA 549184 A 19871013

Abstract (en)
[origin: EP0312005A2] The present invention provides a high output radiant heater which uses a heat exchanger to obtain a variety of types of heat from a single power source. The heater is comprised of a housing; a combustion chamber in the housing, the combustion chamber defining a central axis and having an intake end having an intake opening thereat and an exhaust end having a discharge opening thereat, the chamber defining a flow passage for products of combustion along the central axis; a heat exchange chamber surrounding the intake end of the combustion chamber; a heat exchanger disposed within the heat exchange chamber; radiator means defining the exhaust end of the combustion chamber for radiating heat radially outwardly of the exhaust end of the combustion chamber, the radiator having a plurality of fluid flow passages disposed in planes containing the central axis, each of the passages having an inlet end communicating with the combustion chamber and an outlet end opening into the heat exchange chamber, whereby products of combustion enter the passage inlets and flow therealong and into the heat exchange chamber; and reflector means surrounding the radiator means for reflecting axially outwardly of the housing heat radiated by the radiator means.

IPC 1-7
F24C 1/08; **F24C 3/14**; **F24C 1/14**

IPC 8 full level
F23D 14/12 (2006.01); **F23D 14/66** (2006.01); **F23L 15/00** (2006.01); **F24C 1/08** (2006.01); **F24C 1/14** (2006.01); **F24C 3/14** (2006.01)

CPC (source: EP)
F24C 1/08 (2013.01); **F24C 1/14** (2013.01)

Citation (search report)
• [Y] FR 2174789 A1 19731019 - CHAUDRONNERIE ENTR INDLE [FR]
• [Y] US 3763847 A 19731009 - GUZDAR A, et al
• [A] FR 2267524 A1 19751107 - FLORARM [FR]
• [A] US 3805763 A 19740423 - COWAN E

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0312005 A2 19890419; **EP 0312005 A3 19890719**; **EP 0312005 B1 19930811**; AT E93040 T1 19930815; CA 1267353 A 19900403; DE 3883138 D1 19930916; DE 3883138 T2 19940414; JP H01252808 A 19891009

DOCDB simple family (application)
EP 88116924 A 19881012; AT 88116924 T 19881012; CA 549184 A 19871013; DE 3883138 T 19881012; JP 25831188 A 19881013