

Title (en)
COMBUSTION HEATER

Title (de)
VERBRENNUNGSSHEIZGERÄT

Title (fr)
RÉCHAUFFEUR À COMBUSTION

Publication
EP 2244012 A1 20101027 (EN)

Application
EP 09705985 A 20090130

Priority
• JP 2009051642 W 20090130
• JP 2008022976 A 20080201

Abstract (en)
The combustion heater (1) includes an inner tube (20) having a supply passage (21) for combustion gas (G) in an inner portion, and an outer tube (10) disposed to provide a separated combustion space (30) in an outer periphery of the inner tube. A hole part (24) for ejecting the combustion gas being formed on a tube wall of the inner tube and a radiation promoting surface (20B) is disposed on an outer periphery of the inner tube. This structure suppresses excess temperature increase in the inner tube and improves heating efficiency in the combustion heater.

IPC 8 full level
F23C 3/00 (2006.01); **F23D 14/12** (2006.01)

CPC (source: EP KR US)
F23C 3/002 (2013.01 - EP KR US); **F23D 14/12** (2013.01 - EP US); **F23D 14/125** (2013.01 - EP KR US); **F24C 3/06** (2013.01 - US); **F24H 3/006** (2013.01 - US); **F23D 2203/005** (2013.01 - EP KR US); **F23D 2212/10** (2013.01 - EP KR US)

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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