

Title (en)
Radiant tube with jacket.

Title (de)
Mantelstrahlheizrohr.

Title (fr)
Tube radiant avec enveloppe.

Publication
EP 0534104 B1 19951102 (DE)

Application
EP 92113411 A 19920806

Priority
DE 4132235 A 19910927

Abstract (en)
[origin: US5305732A] A jacketed jet radiant heater for an industrial process furnace as a frame tube composed of axially aligned pipe pieces abutted on one another that are held together by clasps on the outside of the flame tube that have studs which protrude into holes in adjacent pipe pieces and have a head portion which serves to center the flame tube within the jacket tube. The clasps make it possible to provide exhaust gas releasing slots between some of the pipe pieces of the flame tube and thereby avoiding local overheating of the jacket tube.

IPC 1-7
F23C 3/00

IPC 8 full level
F23D 14/12 (2006.01); **F23C 3/00** (2006.01); **F23D 14/16** (2006.01); **F23D 14/56** (2006.01)

CPC (source: EP KR US)
F23C 3/002 (2013.01 - EP US); **F27D 7/00** (2013.01 - KR)

Cited by
CZ300872B6; FR3102234A1; WO9954660A1; WO2021078870A1

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

DOCDB simple family (publication)
US 5305732 A 19940426; AT E129797 T1 19951115; DE 4132235 C1 19920813; DE 59204189 D1 19951207; EP 0534104 A2 19930331; EP 0534104 A3 19930804; EP 0534104 B1 19951102; JP H05296422 A 19931109; KR 930006424 A 19930421

DOCDB simple family (application)
US 94374992 A 19920911; AT 92113411 T 19920806; DE 4132235 A 19910927; DE 59204189 T 19920806; EP 92113411 A 19920806; JP 25819792 A 19920928; KR 920017241 A 19920922