

Title (en)

Heat radiation tube.

Title (de)

Heizstrahlrohr.

Title (fr)

Tube de rayonnement de chaleur.

Publication

EP 0321427 A2 19890621 (EN)

Application

EP 88850409 A 19881205

Priority

SE 8704859 A 19871204

Abstract (en)

The invention is for heat radiation tubes for furnaces and the like heating devices, mainly for industrial processes. Heating can be obtained by electrical heating elements or by combustion for example of gas. The radiation tube is a circular tube having end walls, flanges etc. as required. Thereby that a radiation tube according to the invention is a seam-less tube made from iron-chromium-aluminium essential advantages are obtained in respect of oxide spalling which is greatly reduced and shape strength at high temperatures of use. Preferably the tubes are made by extrusion whereby conditions are chosen to give a rough surface with grooves and ridges which further improves the adhesion of the oxide layer.

IPC 1-7

F27B 5/14; **F27D 11/02**; **H05B 3/62**

IPC 8 full level

F27B 5/14 (2006.01); **F27B 9/06** (2006.01); **F27D 11/02** (2006.01); **H05B 3/62** (2006.01); **H05B 3/64** (2006.01)

CPC (source: EP KR SE)

F27B 5/14 (2013.01 - KR); **F27B 9/068** (2013.01 - EP SE); **H05B 3/64** (2013.01 - EP SE)

Cited by

EP1018563A4; US5409748A; EP0564665A3; FR2800450A1; EP1203921A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0321427 A2 19890621; **EP 0321427 A3 19890705**; **EP 0321427 B1 19960828**; DE 3855704 D1 19970123; DE 3855704 T2 19970417; ES 2090017 T3 19961016; KR 0126475 B1 19971226; KR 900010344 A 19900707; SE 459524 B 19890710; SE 8704859 D0 19871204; SE 8704859 L 19890605

DOCDB simple family (application)

EP 88850409 A 19881205; DE 3855704 T 19881205; ES 88850409 T 19881205; KR 880016456 A 19881212; SE 8704859 A 19871204