

Title (en)

INFRARED RADIATOR AND METHOD FOR THE INSTALLATION THEREOF

Title (de)

INFRAROT-STRAHLER SOWIE VERFAHREN ZUR MONTAGE EINES SOLCHEN

Title (fr)

ÉLÉMENT RAYONNANT À INFRAROUGE ET PROCÉDÉ DE MONTAGE DE CELUI-CI

Publication

EP 3615863 B1 20230426 (DE)

Application

EP 18711821 A 20180219

Priority

- DE 102017109152 A 20170428
- EP 2018053994 W 20180219

Abstract (en)

[origin: WO2018197070A1] The invention relates to an infrared radiator for the heat treatment of a material web, comprising an incandescent body, against which a gas-air mixture that can be supplied to the infrared radiator can flow along a flow surface and which can be heated by the combustion of the gas-air mixture, wherein the incandescent body is produced in the form of a flat structure, comprising a plurality of yarns and the connecting elements connecting the yarns to each other at least indirectly in such a manner that the connecting elements at least partially encompass the yarns and thereby connect said yarns together at least indirectly, wherein the connecting elements are designed in such a manner that said elements can be separated, preferably by hand, from the connection with the yarns, with the flat structure being broken down.

IPC 8 full level

F23D 14/12 (2006.01); **D02G 3/12** (2006.01); **D02G 3/16** (2006.01); **F23D 14/14** (2006.01)

CPC (source: EP US)

F23D 14/125 (2013.01 - EP US); **F23D 14/14** (2013.01 - US); **F23D 14/145** (2013.01 - EP US); **F23D 14/149** (2021.05 - EP US); **F23D 91/02** (2015.07 - US); **F23D 2203/005** (2013.01 - US); **F23D 2212/005** (2013.01 - US); **F23D 2212/103** (2013.01 - EP US); **F23D 2212/201** (2013.01 - EP); **F23D 2213/00** (2013.01 - EP US)

Citation (examination)

WO 0048429 A2 20000817 - MARSDEN INC [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102017109152 A1 20181031; **DE 102017109152 B4 20190103**; EP 3615863 A1 20200304; EP 3615863 B1 20230426; US 11359809 B2 20220614; US 2020096193 A1 20200326; WO 2018197070 A1 20181101

DOCDB simple family (application)

DE 102017109152 A 20170428; EP 18711821 A 20180219; EP 2018053994 W 20180219; US 201816609033 A 20180219