

Title (en)

ROLL FOR A FURNACE ROLLER GRATE, ESPECIALLY FOR BURNING WASTE, WITH A TUBULAR LINING FORMED BY ANNULAR GRATE BARS SEPARATED BETWEEN THEM BY AIR GAPS OF CONSTANT WIDTH

Publication

EP 0399898 B1 19930804 (FR)

Application

EP 90401364 A 19900522

Priority

FR 8906852 A 19890525

Abstract (en)

[origin: EP0399898A1] The grate roll, of conventional structure, has a framework in the form of a cylindrical cage with longitudinal members (10) with a T- shaped profile arranged according to generating lines, and a lining formed from groups (G) of rings separated by gaps (i) for blowing oxidant air, the rings being segmented into bars ((1-6).11, (1-6).11') in the form of arcs which extend between the longitudinal members. According to the invention, in order to limit the clearance of the bars while leaving them play, they are, attached on one side by an indentation to the wing of a longitudinal member, held in position by bosses ((1-6).128, (1-6).129) of an interposed piece (12) bolted longitudinally onto the longitudinal member; the bars ((1-5).11, (1-5).11') have recesses at their end which is contiguous with the intermediate piece (12), in which the bosses engage. The bars are thus attached with limited clearance in the axial, radial and peripheral directions in relation to the roll. <IMAGE>

IPC 1-7

F23H 9/02; F23H 17/08; F23H 17/12

IPC 8 full level

F23G 5/00 (2006.01); **F23G 5/05** (2006.01); **F23H 9/02** (2006.01); **F23H 9/12** (2006.01); **F23H 11/12** (2006.01); **F23H 17/08** (2006.01); **F23H 17/12** (2006.01)

CPC (source: EP US)

F23H 9/02 (2013.01 - EP US); **F23H 17/08** (2013.01 - EP US); **F23H 17/12** (2013.01 - EP US)

Cited by

CN112146443A

Designated contracting state (EPC)

AT CH DK ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0399898 A1 19901128; EP 0399898 B1 19930804; AT E92604 T1 19930815; CA 2017451 A1 19901125; CS 9002538 A2 19911015; CZ 279417 B6 19950412; DK 0399898 T3 19931206; ES 2043308 T3 19931216; FR 2647532 A1 19901130; FR 2647532 B1 19910906; HU 209632 B 19940928; HU 903184 D0 19901028; HU T56936 A 19911028; PL 163571 B1 19940429; SK 278231 B6 19960508; SU 1782301 A3 19921215; US 5057011 A 19911015

DOCDB simple family (application)

EP 90401364 A 19900522; AT 90401364 T 19900522; CA 2017451 A 19900524; CS 253890 A 19900524; DK 90401364 T 19900522; ES 90401364 T 19900522; FR 8906852 A 19890525; HU 318490 A 19900524; PL 28532390 A 19900524; SK 253890 A 19900524; SU 4830234 A 19900524; US 52782990 A 19900524