

Title (en)

Cylindrical combustion grate for a furnace with a cooling system

Title (de)

Zylindrischer Verbrennungsrost für einen Ofen mit einem Kühlkreislauf

Title (fr)

Rouleau pour grille de four équipé d'un circuit de refroidissement

Publication

**EP 2113718 A3 20140820 (FR)**

Application

**EP 09290304 A 20090424**

Priority

FR 0852838 A 20080428

Abstract (en)

[origin: EP2113718A2] The roller (1) has a combustible support surface mounted on a metallic hollow structure (2) forming a cylindrical cage, and a passage pipe (3) for allowing passage of cooling fluid. A series of hollow rings (6) is coaxial to an axis and is distributed on length of the roller, where each ring is provided with a fluid inlet (7) and a fluid outlet (8). Inter-ring bridges (9) connect the fluid outlet of the ring to the fluid inlet so as to form cooling fluid passage circuit wrapped around the structure.

IPC 8 full level

**F23G 5/00** (2006.01); **F23H 9/02** (2006.01)

CPC (source: EP)

**F23G 5/00** (2013.01); **F23H 9/02** (2013.01); **F23H 2700/004** (2013.01); **F23H 2900/03021** (2013.01)

Citation (search report)

- [XP] EP 1921379 A1 20080514 - VINCI ENVIRONNEMENT [FR]
- [AD] US 5042401 A 19910827 - ETTEHADIEH BOZORG [US]
- [AD] GB 251849 A 19260513 - TIKHON MAKARIEW

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2113718 A2 20091104**; **EP 2113718 A3 20140820**; **EP 2113718 B1 20180725**; ES 2684436 T3 20181002; FR 2930627 A1 20091030; FR 2930627 B1 20100604; PL 2113718 T3 20181130

DOCDB simple family (application)

**EP 09290304 A 20090424**; ES 09290304 T 20090424; FR 0852838 A 20080428; PL 09290304 T 20090424