

Title (en)

Process and apparatus for water cooling of a combustion grate

Title (de)

Verfahren und Vorrichtung zur Kühlung eines Rostes für einen Feuerraum mittels Wasser

Title (fr)

Procédé et dispositif pour le refroidissement par eau d'une grille de combustion

Publication

EP 1085264 B1 20051116 (DE)

Application

EP 00810789 A 20000901

Priority

DE 19943665 A 19990913

Abstract (en)

[origin: EP1085264A1] A waste heat boiler (3) is connected in downstream of the fire chamber (2) and supplied with supply water (23) of which a part is removed after the water pump (25) and before the water regulating valve (26) from the water pipe (22) and directed through at least one pressure drop point (20) from where it is then supplied as cooling water (15) to the cooling channels (14). On passing through the cooling channels the cooling water is heated up to at least saturated steam temperature and is then supplied to the remote heat supply device or economiser.

IPC 1-7

F23H 3/02; **F22B 31/04**

IPC 8 full level

F23H 3/04 (2006.01); **F22B 1/18** (2006.01); **F22D 1/18** (2006.01); **F23G 5/00** (2006.01); **F23H 3/02** (2006.01); **F27D 15/02** (2006.01); **F27D 17/00** (2006.01)

CPC (source: EP KR)

F23G 5/002 (2013.01 - EP); **F23H 3/02** (2013.01 - EP); **F23H 3/04** (2013.01 - KR)

Cited by

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EP 1085264 A1 20010321; **EP 1085264 B1 20051116**; AT E310209 T1 20051215; DE 19943665 A1 20010315; DE 19943665 B4 20060413; DE 50011615 D1 20051222; JP 2001124324 A 20010511; KR 100659956 B1 20061222; KR 20010030387 A 20010416; NO 20004547 D0 20000912; NO 20004547 L 20010314; NO 323854 B1 20070716; TW 550362 B 20030901

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