Title (en)

Cooling system for rotary kilns

Title (de)

Kühlsystem für Drehöfen

Title (fr)

Système de refroidissement pour fours rotatifs

Publication

EP 2947409 B1 20160928 (DE)

Application

EP 14168819 A 20140519

Priority

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Abstract (en)

[origin: WO2015177048A1] The invention relates to a cooling system (3) for rotary furnaces (1), and also to a method for operating such a cooling system (3). The cooling system (3) comprises for this purpose an arrangement of one or more cooling modules (31, 31', 31"), which are arranged in the portion (21) to be cooled of the furnace shell (2), at least along the axis of rotation (R) of the furnace shell (2), wherein each cooling module (31) comprises an activatable switching valve (311) and a fan nozzle (312) for issuing a pulsed fan-shaped cooling liquid jet (4) and, when there are a number of cooling modules, the neighbouring cooling modules (31, 31', 31") are arranged in relation to one another at a distance (A1) parallel to the axis of rotation (R) of the furnace shell (2). Each cooling module (31, 31', 31") comprises at least one first heat sensor (313), connected to a cooling system control (32), for measuring a first local temperature (T1) of the furnace shell (2) ahead of the area of impingement (41) as seen in the direction of rotation (DR) of the furnace shell (2).

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

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