

Title (en)
COOLING SYSTEM FOR A COMBUSTION GRATE IN AN INCINERATION PLANT

Title (de)
KÜHLSYSTEM FÜR EINEN VERBRENNUNGSROST IN EINER VERBRENNUNGSANLAGE

Title (fr)
SYSTEME DE REFROIDISSEMENT POUR GRILLE DE COMBUSTION DANS UNE USINE D'INCINERATION

Publication
EP 1875133 A1 20080109 (EN)

Application
EP 06711018 A 20060303

Priority
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• DK PA200500528 A 20050413

Abstract (en)
[origin: WO2006109199A1] In a cooling fluid circulation system for an incineration or combustion grate in an incineration or combustion plant, the grate comprises a number of grate beams, at least some of which are movable for providing a movement of the fuel on top of said grate, primary air being blown through the grate from a primary air chamber below the grate. Connections for circulating cooling fluid through said grate beams are positioned at the bottom side of said grate beams, inside said primary air chamber, and connected to rigid tubing, possible headers and flexible tubing, preferably in the form of bellow tubes, for providing a connection between moving tubing and stationary tubing in the cooling fluid circulation system. The flexible tubing is positioned outside the primary air chamber and the lead-in for the moving, rigid tubing through the wall of said primary air chamber is provided with a flexible bellow in order to avoid leakage of primary air along the tube. Hereby the flexible tubing is not subjected to the grate screenings falling down from the grate and the high temperatures thereof.

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CPC (source: EP KR)
F23H 3/02 (2013.01 - EP KR); **F23H 7/08** (2013.01 - EP KR); **F23H 2900/03021** (2013.01 - EP)

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