

Title (en)

COOLING SYSTEM FOR THE DRY EXTRACTION OF HEAVY ASHES FROM BOILERS

Title (de)

KÜHLSYSTEM FÜR DIE TROCKENEXTRAKTION VON SCHWEREN ASCHEN AUS KESSELN

Title (fr)

SYSTÈME DE REFROIDISSEMENT PERMETTANT L'EXTRACTION SÈCHE DES CENDRES LOURDES DE CHAUDIÈRES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008023394A1] The present invention relates to an additional cooling system (1) for the dry extraction of large flow of heavy ashes produced by boilers (100) with solid fuel apt to decrease the temperature of the ashes. The system comprises an extractor with metallic belt (2) gathering the ash which deposits onto the bottom of the boiler (100), a crushing system (3), having the purpose of increasing the thermal exchange surface of the material, one or more metallic conveyors (4, 6) having the cooling function by introducing countercurrent air - flow running through transported ashes, an in-line cooling device (5) having the function of putting into contact the ash several times with additional countercurrent air in order to increase the possible exchange without necessarily increasing the air - flow entering the combustion chamber. Such additional air can be sent preferably upstream of the air heater or in atmosphere upon fines' captation (figure 1).

IPC 8 full level

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Citation (search report)

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