Title (en)

LUMP CRUSHING DEVICE AND CONDITIONED SAND SUPPLYING SYSTEM

Title (de)

KLUMPENZERKLEINERUNGSGERÄT UND DARAUF ABGESTIMMTES SANDZUFUHRSYSTEM

Title (fr)

DISPOSITIF DE BROYAGE DE MORCEAUX ET SYSTEME DE FOURNITURE DE SABLE CONDITIONNE

Publication

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Application

EP 10774802 A 20100414

Priority

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Abstract (en)

[origin: EP2431110A1] The object of the invention is to provide a machine for disintegrating balls in molding sand that is not high, to avoid a high space being required for installing it. The machine maintains the performance of an aeration-type molding machine. The object is also to provide a system for supplying molding sand that saves the space for installing it and facilitates the maintenance of it. The machine for disintegrating balls in molding sand comprises a first bar for disintegrating the balls that is supported at both ends. The bar has a plurality of blades that radiate from a rotating shaft. The machine also comprises a second bar for disintegrating the balls that is supported on the common plane horizontal with, parallel to, and at a certain distance from, the first bar. The second bar rotates in a reverse direction from that of the first bar. When molding sand is loaded from above to a space between the first and second bar the balls are disintegrated while the molding sand is downwardly combed. The system for supplying molding sand is characterized in that the bars are supported by the frame of the carriage and in that the motors for rotating the bars are mounted on the carriage.

IPC 8 full level

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