

Title (en)
HEAT EXCHANGE DEVICE FOR TREATING PARTICULATE MATERIAL

Title (de)
WÄRMEAUSTAUSCH-VORRICHTUNG ZUR BEHANDLUNG VON TEILCHENFÖRMIGEM MATERIAL

Title (fr)
DISPOSITIF D'ECHANGE THERMIQUE POUR LE TRAITEMENT DE MATERIAUX PARTICULAIRES

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Application
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Priority
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• EP 0004462 W 20000517

Abstract (en)
[origin: WO0073723A1] A heat exchange device for treating particulate material such as cement raw materials, cement clinker or similar materials, is described which heat exchange device comprises a grate surface for supporting the material and which has means for conveying the material across the surface of the grate from the inlet of the heat exchange device to its outlet. The conveying means is moved back and forth in the direction of transport of the material and is supported by one or more carrying frames (1) which are supported in a machine frame (5) for movement substantially in the direction of transport of the material. The heat exchange device is so designed for supporting the carrying frame (1) relative to the machine frame (5) to comprise at least two kinematically determined articulated mechanisms (3) each comprising four joints. The support point (19a) connects the mechanism (3) to either the carrying frame (1) or the machine frame (5). Thus, the carrying frame (1) can be moved back and forth in a kinematically determined way within a given stroke length interval following a substantially straight line independent of the load sustained by the carrying frame.

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