

Title (en)  
REGULATOR FOR THE COOLING AIR INFLOW OF A COOLING GRATE

Title (de)  
REGELUNGSVORRICHTUNG FÜR DIE KÜHLLUFTZUSTRÖMUNGEN EINES SCHÜTTGUTROSTKÜHLERS

Title (fr)  
DISPOSITIF DE REGULATION DES FLUX D'AIR DE REFROIDISSEMENT D'UN DISPOSITIF A GRILLE DE REFROIDISSEMENT DE MATIERE EN VRAC

Publication  
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Application  
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Abstract (en)  
[origin: WO2006045446A1] The aim of the invention is to provide, in particular, an autonomous cooling air regulator for a cooling grate that cools hot bulk material, such as e.g. cement klinker, said regulator having a simple construction and being used for rigid cooling grate sections and moving cooling grate systems. To achieve this, in the regulator housing, which is located below the cooling grate, moves with the latter and comprises a cladding (11) consisting of a solid material, a sleeve (12), which is for example cylindrical and consists of elastic material, is fixed coaxially in the housing and acts as an actuating organ. The pressure differential inside and outside the sleeve (12) and the deformation resistance of said sleeve are set in such a way that the sleeve (12) can be deformed, in particular autonomously, from its maximum flow cross-section to its minimal flow cross-section, thus regulating the volumetric flow of the cooling air stream (10) from below into the cooling grate.

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