

Title (en)  
WATER-COOLED SLIDING COMBUSTION GRATE HAVING A PARALLEL DRIVE

Title (de)  
WASSERGEKÜHLTER SCHUBVERBRENNUNGSROST MIT PARALLELANTRIEB

Title (fr)  
GRILLE DE COMBUSTION À POUSSÉE REFROIDIE PAR EAU À ENTRAÎNEMENT PARALLÈLE

Publication  
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Application  
**EP 11745476 A 20110721**

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Abstract (en)  
[origin: WO2012012909A2] The invention relates to a water-cooled sliding combustion grate, comprising a combination of movable grate plates (6) and stationary grate plates (5). Said grate plates (5, 6) lie on top of each other in a step-like manner, and the movable grate plates (6) can be moved. The length of the grate plates (5, 6) passing over the grate track width is more than 6 meters. The movable grate plates (6) are driven by one parallel drive each, which comprises two separate drive units, which can each move a respective end area of a movable grate plate (6) back and forth, wherein the two drive units can be synchronized. In order to separate the primary air transversely over the grate track over a plurality of areas, at least one partition can extend along the grate track under the grate. Each of said partitions is moved along with the lower faces of the grate plates (5, 6) at the upper edge of said partitions so that said partitions are fully connected everywhere to the lower faces of the grate plates. Several primary-air compartments can also be created in the grate track longitudinal direction by installing additional partitions perpendicularly to the partitions extending in the grate track longitudinal direction so that a matrix of primary-air compartments is created.

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