

Title (en)
ROASTING SPIT AND ROTARY GRILL

Publication
EP 0396908 A3 19910508 (DE)

Application
EP 90106560 A 19900405

Priority
• DE 8905822 U 19890510
• DE 8905823 U 19890510

Abstract (en)
[origin: US5081939A] A bar for a rotary grate is of T-section and has an enlarged head and a fin projecting inwardly therefrom. The head is formed with an end face directed outward from the fin and a pair of substantially parallel side faces extending inward obliquely from the end face. The side faces extend at an angle of between 40 DEG and 75 DEG , preferably about 60 DEG , to the end face. Thus air exiting from inside the roller-grate drum flows obliquely to a radius from the drum-rotation axis. This ensures that even if the material being burned does not form a continuous layer on the surface of the roller, the air will be likely to impinge this material. The fin extends generally centrally from the head and has a centerline that generally bisects the head. The bar has ends formed with blocks projecting to opposite sides of the bar so that blocks of adjacent bars can interfit. Furthermore the bars are arranged in sets with the bars of each set aligned longitudinally with the bars of the same set and each bar is formed with at least one axially throughgoing hole. In this case the drum is provided with respective holding bars traversing the holes of each set of bars.

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F23H 17/12; **F23H 9/02**; **F23H 1/02**

IPC 8 full level
F23H 1/02 (2006.01); **F23H 9/02** (2006.01); **F23H 17/12** (2006.01)

CPC (source: EP US)
F23H 9/02 (2013.01 - EP US); **F23H 17/12** (2013.01 - EP US)

Citation (search report)
• [A] GB 601599 A 19480510 - DOROTHY BERYL BALMFIRTH, et al
• [A] DE 3420020 A1 19850704 - MUELLVERBRENNUNGSANLAGE WUPPER [DE]
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Designated contracting state (EPC)
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