

Title (en)  
BURNER SHIELDS

Title (de)  
BRENNERSCHIRM

Title (fr)  
ECRANS PROTECTEURS POUR BRULEURS

Publication  
**EP 0930825 A1 19990728 (EN)**

Application  
**EP 97944970 A 19971008**

Priority  
• GB 9702771 W 19971008  
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Abstract (en)  
[origin: WO9815185A1] A burner shield (10) for an elongate burner (12) of a continuous oven is located directly beneath one run of an endless mesh conveyor band (14) on which product to be baked is deposited. The shield has an upper wall (19) of two planar portions inclined upwardly from the centre to each of the respective edges, a planar base wall (16), a planar front wall (16) and a planar rear wall (18). The two outer edges of the upper wall (19) are extended to form projecting baffles (20) for guiding combustion gases away from the conveyor (14) and the longitudinal ends of the shield are open to form outlet ports for combustion gases. The front wall (17) of the burner shield has an elongate inlet aperture (22) in which is located an elongate gas burner (12). The combustion products from the burner emerge from one of the two open ends of the shield and are deflected past the outermost edges of the conveyor (14) thus reducing burning of the product on the conveyor (14).

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IPC 8 full level  
**A21B 1/02** (2006.01); **A21B 1/48** (2006.01); **F24C 3/08** (2006.01)

CPC (source: EP)  
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