

Title (en)  
METHOD FOR PRODUCING A FLAME SUPPORT

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES FLAMMENTRÄGERS

Title (fr)  
PROCEDE POUR REALISER UN SUPPORT DE FLAMMES

Publication  
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Application  
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Priority  
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Abstract (en)  
[origin: US6410878B1] The invention concerns a method for producing a flame support for a gas burner, which consists in producing disjointed metal fibres (10) in an alloy comprising iron, chromium and aluminium; assembling the fibres together under pressure; bringing the fibre mat to a temperature sufficient to ensure a close bonding between the fibres. The invention is characterised in that it consists in feeding said metal alloy to an overflowing tank (3), to produce the fibres by cooling in contact with a mobile wheel (7); then in arranging in a moulding matrix the resulting disjointed fibres (10) and compressing them to form an agglomerated mat; then in connecting the mat to electrodes and a capacitor, thereby bringing the fibres (10), at their points of contact, to a temperature not less than their melting point, to produce fibres closely welded together, under high voltage.

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