

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  
**EP 1088188 B1 20030820 (FR)**

Application  
**EP 00920801 A 20000414**

Priority  
• FR 0000973 W 20000414  
• FR 9904804 A 19990416

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.

IPC 1-7  
**F23D 14/02**; **F23D 14/58**; **F23D 14/46**; **B22F 3/00**

IPC 8 full level  
**B22F 3/00** (2006.01); **B22F 9/10** (2006.01); **F23D 14/02** (2006.01); **F23D 14/46** (2006.01); **F23D 14/58** (2006.01)

CPC (source: EP US)  
**B22F 3/002** (2013.01 - EP US); **B22F 9/10** (2013.01 - EP US); **F23D 14/02** (2013.01 - EP US); **F23D 14/46** (2013.01 - EP US); **F23D 14/58** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US); **F23D 2203/105** (2013.01 - EP US); **F23D 2212/201** (2013.01 - EP US); **F23D 2213/00** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6410878 B1 20020625**; AT E247799 T1 20030915; CA 2334985 A1 20001026; CA 2334985 C 20080212; DE 60004617 D1 20030925; DE 60004617 T2 20040617; EP 1088188 A1 20010404; EP 1088188 B1 20030820; FR 2792394 A1 20001020; FR 2792394 B1 20010727; WO 0063617 A1 20001026

DOCDB simple family (application)  
**US 71965901 A 20010213**; AT 00920801 T 20000414; CA 2334985 A 20000414; DE 60004617 T 20000414; EP 00920801 A 20000414; FR 0000973 W 20000414; FR 9904804 A 19990416