

Title (en)  
SECTORAL FUEL INJECTION HEAD

Publication  
**EP 0224397 B1 19881214 (FR)**

Application  
**EP 86402290 A 19861015**

Priority  
FR 8515925 A 19851018

Abstract (en)  
[origin: US4696157A] A fuel and air injection system for a turbojet engine is disclosed wherein a bowl-shaped member surrounding the fuel injection nozzle defines an impact cooling chamber divided into four sectors. A pair of diametrically opposite sectors have openings to permit air to pass through the cooling chamber into the combustion chamber, while opposite diametrically opposed sectors have openings of larger diameter which also allow communication between the cooling chamber and the combustion chamber. A diaphragm control system allows the air passing into the sectors having the larger diameter openings to be modulated depending upon the throttle setting of the turbojet engine.

IPC 1-7  
**F23R 3/26**; **F23C 7/00**; **F23R 3/10**

IPC 8 full level  
**F23R 3/28** (2006.01); **F23C 7/00** (2006.01); **F23D 11/12** (2006.01); **F23R 3/10** (2006.01); **F23R 3/26** (2006.01); **F23R 3/50** (2006.01)

CPC (source: EP US)  
**F23C 7/008** (2013.01 - EP US); **F23R 3/10** (2013.01 - EP US); **F23R 3/26** (2013.01 - EP US)

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**FR 2588919 A1 19870424**; **FR 2588919 B1 19871204**; DE 3661440 D1 19890119; EP 0224397 A1 19870603; EP 0224397 B1 19881214; JP H0637977 B2 19940518; JP S62106223 A 19870516; US 4696157 A 19870929

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**FR 8515925 A 19851018**; DE 3661440 T 19861015; EP 86402290 A 19861015; JP 24729286 A 19861017; US 91912686 A 19861015