

Title (en)  
LIQUID FUEL SPRAYERS

Publication  
**EP 0152177 A3 19851227 (EN)**

Application  
**EP 85300255 A 19850115**

Priority  
• GB 8401627 A 19840121  
• GB 8407194 A 19840320

Abstract (en)  
[origin: EP0152177A2] In order to obtain efficient atomisation of fuel at low air pressures of the order of 1 inch of water (249 Pa), a fuel sprayer which is designed to produce a flat fan-shaped spray of fuel from a discharge slot (14) is provided with a plurality of discrete air outlets (19 or 124, 125) which are inclined so as to produce discrete air jets which are directed at different portions of the flat fan-shaped spray so as to disturb said portions.

IPC 1-7  
**F23D 11/14**

IPC 8 full level  
**F23D 11/10** (2006.01)

CPC (source: EP)  
**F23D 11/105** (2013.01); **F23D 11/108** (2013.01)

Citation (search report)  
• [YD] GB 1269215 A 19720406 - LUCAS INDUSTRIES LTD  
• [Y] US 1401880 A 19211227 - CONNELLY DOUGLAS L  
• [A] US 3831854 A 19740827 - SATO I, et al  
• [A] FR 2522393 A1 19830902 - CHUGAI RO KOGYO KAISHA LTD [JP]  
• [A] FR 2372385 A1 19780623 - MGR SA FOURS [FR]

Designated contracting state (EPC)  
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