

(12) **UK Patent Application** (19) **GB** (11) **2471237** (13) **A**

(43) Date of Reproduction by UK Office **22.12.2010**

(21) Application No: **1016947.2**

(22) Date of Filing: **08.04.2009**

(30) Priority Data:  
(31) **61044116** (32) **11.04.2008** (33) **US**  
(31) **12418875** (32) **06.04.2009** (33) **US**  
(31) **12418889** (32) **06.04.2009** (33) **US**  
(31) **12418901** (32) **06.04.2009** (33) **US**

(86) International Application Data:  
**PCT/US2009/039928 En 08.04.2009**

(87) International Publication Data:  
**WO2009/126721 En 15.10.2009**

(71) Applicant(s):  
**General Electric Company**  
**(Incorporated in USA - New York)**  
**1 River Road, Schenectady, New York 12345,**  
**United States of America**

(continued on next page)

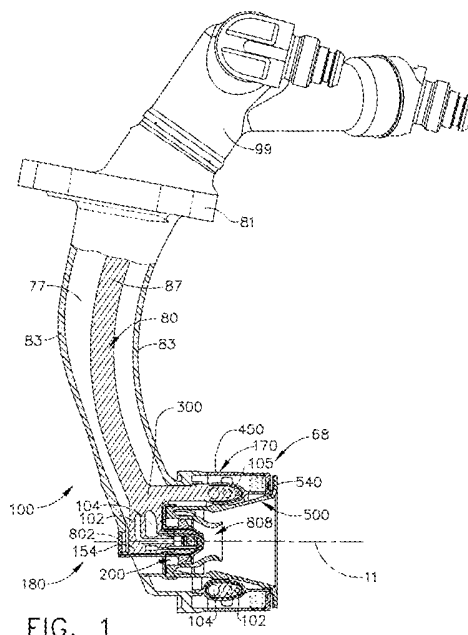
(51) INT CL:  
**F23R 3/28** (2006.01) **B23P 6/00** (2006.01)  
**F23D 11/38** (2006.01)

(56) Documents Cited by ISA:  
**NOT YET ADVISED**

(58) Field of Search by ISA:  
Other: **NOT YET ADVISED**

(54) Title of the Invention: **Repair of fuel nozzle component**  
Abstract Title: **Repair of fuel nozzle component**

(57) A method of repairing a fuel nozzle 100 is disclosed comprising the steps of: preparing a damaged component 909 for repair; directing thermal energy towards a substrate 960; directing a stream of powder material 953; and depositing the powder material onto the substrate 960.



**GB 2471237 A**

**GB 2471237 A continuation**

(72) Inventor(s):  
**Marie Ann McMasters**  
**Michael A Benjamin**  
**Alfred Mancini**

(74) Agent and/or Address for Service:  
**Global Patent Operation, GE International INC**  
**15 John Adam Street, LONDON, WC2N 6LU,**  
**United Kingdom**