

(19)



(11)

EP 2 667 098 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
04.11.2015 Bulletin 2015/45

(51) Int Cl.:
F23R 3/14 ^(2006.01) **F23R 3/28** ^(2006.01)
F23D 11/38 ^(2006.01)

(43) Date of publication A2:
27.11.2013 Bulletin 2013/48

(21) Application number: **13169005.9**

(22) Date of filing: **23.05.2013**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR
 Designated Extension States:
BA ME

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(30) Priority: **25.05.2012 US 201213481411**

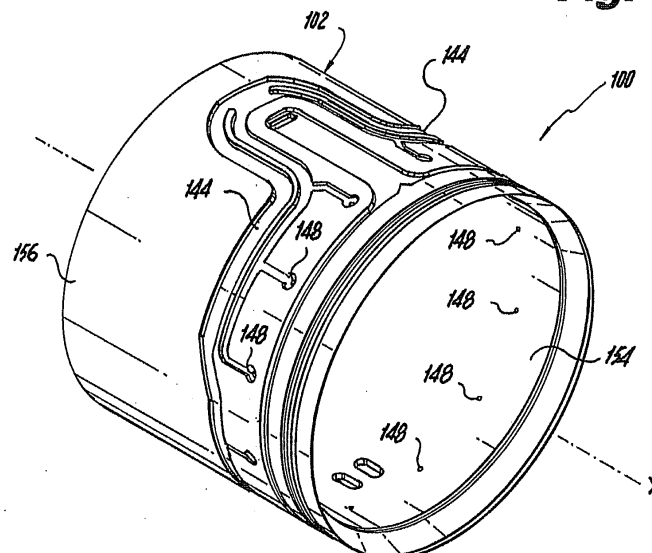
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(54) **Liquid swirler flow control**

(57) A flow directing device for imparting swirl on a fluid includes a flow directing body (102) having a first surface (156) and opposed second surface (154). A flow channel (144) is defined in the first surface of the flow directing body for conducting fluids flowing through the flow directing body. The flow channel includes a channel surface set in from the first surface. A swirl bore (148) extends through the flow directing body from the channel

surface to the second surface of the flow directing body at an oblique angle relative to the channel surface for imparting a tangential swirl component onto fluids flowing through the swirl bore. Having an asymmetrical terminus portion of the channel surface, and positioning of the swirl bore within the terminus portion, allow control of the swirl direction for flow within the terminus portion and swirl bore.

Fig. 4**EP 2 667 098 A3**



EUROPEAN SEARCH REPORT

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Place of search		Date of completion of the search	Examiner
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EPO FORM 1503 03.92 (P04C01)

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