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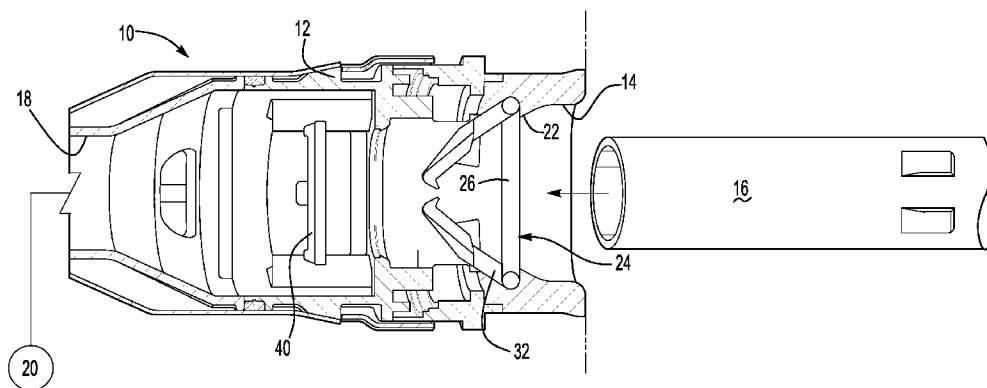
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(54) Title: AUTOMOTIVE FUEL FILLING SYSTEM



(57) Abstract: An automotive fuel filling system which inhibits automotive fueling from a smaller of two different diameter fuel nozzles. The system includes a funnel assembly having a circular port adapted to receive the fuel nozzle. A nozzle valve assembly includes at least two segments and is disposed in series with the port. Each segment, furthermore, is pivotal between an open and a closed position. When all segments are in the closed position, the nozzle valve assembly serves to prevent dust and debris from reaching the flapper valve. A hook is attached to a radially inner end of each nozzle valve segment and a cam is also attached to each nozzle valve segment configured to provide a clearance between the end of only the larger nozzle and the hooks upon insertion of the larger nozzle, but not upon insertion of the smaller nozzle.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2007/073684

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B60B 1/04; B60K 15/04 (2008.04)

USPC - 141/350

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - B60B 1/04; B60K 15/04; B67D 5/37, 5/378; F16K 21/00, 21/04 (2008.04)

USPC - 137/801; 141/311, 331, 332, 337, 338, 348, 349, 350, 369, 370, 371, 373, 392; 220/86.1, 86.2; 222/566, 630

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase, Google Patents

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/0096662 A1 (KING et al) 11 May 2006 (11.05.2006) entire document	1-3, 5-7, 9-12, 14-16, 18

Y		4, 8, 13, 17
Y	US 6,968,874 B1 (GABBEY et al) 29 November 2005 (29.11.2005) entire document	4, 13
Y	US 4,924,923 A (BOEHMER et al) 15 May 1990 (15.05.1990) entire document	8, 17

☐ Further documents are listed in the continuation of Box C.


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Date of the actual completion of the international search

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