The latching gas ON/OFF assembly (10) includes a housing with a female threaded bore (20) for receiving a male threaded neck of a gas tank cylinder (14) having a tank valve with a pin (24). A bonnet (18) is slidably connected to the housing (16) and slides between a forward OFF position and rearward ON position. A pin depressor (22) connected to the bonnet (18) with a transverse latch button (28) for locking the bonnet (18) in the ON position and for releasing the bonnet (18) from the ON position. When the bonnet (18) is slid to the rearward ON position it causes the pin depressor (22) to contact the pin (24) of the tank valve to permit gas to flow therefrom. The latching button (28) is spring-biased toward a locked position where a plate (28d) on the free end thereof removably resides in a complementary seat (44) in the housing (16).
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
INV. F41B11/32
ADD.

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

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
F41B F16L F16K

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 practical, search terms used)
EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>US 2009/229591 Al (GABREL STANLEY [US]) 17 September 2009 (2009-09-17) the whole document</td>
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Further documents are listed in the continuation of Box C. X See patent family annex.

* Special categories of cited documents:

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Date of the actual completion of the international search
13 December 2011

Date of mailing of the international search report
22/12/2011

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Fax: (+31-70) 340-3016

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Gex-Col let, A
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