

Title (en)  
VALVE ARRANGEMENT

Title (de)  
VENTILANORDNUNG

Title (fr)  
DISPOSITIF A SOUPAPES

Publication  
**EP 1481167 A1 20041201 (DE)**

Application  
**EP 03706251 A 20030127**

Priority  
• DE 0300209 W 20030127  
• DE 10209399 A 20020304  
• DE 10218783 A 20020426

Abstract (en)  
[origin: WO03074883A1] Disclosed is a valve arrangement for triggering consumers (4) in a manner that is independent from the load pressure, comprising a main valve (10) which is provided with a directional part and a metering cover part. The valve arrangement comprises a check valve (18) for sealing in a leakage-free manner a working pipe which leads to the consumer. Said check valve (18) is provided with a pilot valve (20) via which a pressure chamber of the check valve (18), which acts in the closing direction thereof, can be relieved towards a tank or a low-pressure source. The pilot valve (20) is controlled by a main slider (12) of the main valve (10).

IPC 1-7  
**F15B 13/04**

IPC 8 full level  
**F15B 11/08** (2006.01); **F15B 11/02** (2006.01); **F15B 13/01** (2006.01); **F15B 13/04** (2006.01)

CPC (source: EP US)  
**F15B 13/01** (2013.01 - EP US); **F15B 13/0402** (2013.01 - EP US); **F15B 13/0417** (2013.01 - EP US); **Y10T 137/8663** (2015.04 - EP US)

Citation (search report)  
See references of WO 03074883A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**WO 03074883 A1 20030912**; DE 50309629 D1 20080529; EP 1481167 A1 20041201; EP 1481167 B1 20080416; JP 2005519243 A 20050630; JP 4495973 B2 20100707; US 2005115620 A1 20050602; US 7080663 B2 20060725

DOCDB simple family (application)  
**DE 0300209 W 20030127**; DE 50309629 T 20030127; EP 03706251 A 20030127; JP 2003573301 A 20030127; US 50649104 A 20041012