

Title (en)  
Valve Arrangement

Title (de)  
Ventilanordnung

Title (fr)  
Agencement de soupape

Publication  
**EP 2278153 B1 20170308 (EN)**

Application  
**EP 09163595 A 20090624**

Priority  
EP 09163595 A 20090624

Abstract (en)  
[origin: EP2278153A1] A valve arrangement (32) for controlling fluid flow comprising a valve housing (18) defining a chamber (28) and a conduit (24) wherein a seating region (26) is defined at a transition between the chamber (28) and the conduit (24), a valve member (34) engageable with the seating region (26) and a retaining member (44) received within the chamber (28). A stop member is also received within the chamber (28) and defines a first surface (57) engageable with the retaining member (44) and a second surface (52) which is spaced a predetermined distance from the valve member (34) when the first surface (47) is engaged with the retaining member (44) thereby to provide a means to limit the maximum travel of the valve member (34) away from the seating region (26).

IPC 8 full level  
**F02M 59/46** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 59/462** (2013.01); **F02M 63/0012** (2013.01); **F02M 63/0054** (2013.01)

Cited by  
DE102015219892A1; WO2014183898A1

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2278153 A1 20110126; EP 2278153 B1 20170308; ES 2621415 T3 20170704**

DOCDB simple family (application)  
**EP 09163595 A 20090624; ES 09163595 T 20090624**