

Title (en)  
SLIDE VALVE

Title (de)  
SCHIEBERVENTIL

Title (fr)  
SOUPAPE A TIROIR

Publication  
**EP 0907849 A1 19990414 (EN)**

Application  
**EP 97930940 A 19970623**

Priority  
• SE 9701118 W 19970623  
• SE 9602536 A 19960627

Abstract (en)  
[origin: WO9749942A1] A slide valve has a cylindrical valve housing (1) with at least one opening (2) and a turnable slide (3, 5) for closing and uncovering the opening (2). The valve slide, whose sealing surface is congruent with the valve housing, comprises a body (3) and a sleeve (5) made of a yieldable material and movably arranged on the outside of the body. The outside of the sleeve is made of a material with good sealing properties. The friction between the sleeve (5) and the valve housing (1) is normally higher than the friction between the body (3) and the sleeve (5), such that, as the slide (3) is turned, the body slides inside the sleeve (5) and the sleeve (5) rolls on the inside of the valve housing (1). In this valve, a good sealing is obtained without necessitating great force for operating the slide (3) and without the outside of the sleeve being improperly worn. The principle may also be applied to other valve configurations than a cylindrical valve housing and a turnable slide.

IPC 1-7  
**F16K 7/18**

IPC 8 full level  
**B67D 7/36** (2010.01); **F16K 5/18** (2006.01)

CPC (source: EP)  
**B67D 7/36** (2013.01); **F16K 5/187** (2013.01)

Citation (search report)  
See references of WO 9749942A1

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**WO 9749942 A1 19971231**; EP 0907849 A1 19990414; SE 506789 C2 19980209; SE 9602536 D0 19960627; SE 9602536 L 19971228

DOCDB simple family (application)  
**SE 9701118 W 19970623**; EP 97930940 A 19970623; SE 9602536 A 19960627