

Title (en)
Directional spool valve with extensive valve seat

Title (de)
Längsschieberventil mit grossflächigem Ventilsitz

Title (fr)
Distributeur à tiroir avec siège de clapet étendu

Publication
EP 0764785 B1 20011128 (DE)

Application
EP 96106249 A 19960420

Priority
DE 19535223 A 19950922

Abstract (en)
[origin: EP0764785A2] The valve has two coaxial partly cylindrical longitudinal slides. The average diameter (DS) of the conical jacket-shaped sealing surface of the valve cone (141) of the first slide (140) is larger than the maximum diameter (DF) of the fine control area (141a) behind it. The positive overlap of this area is larger than the jolt-like opening stroke of the first slide, when the valve cone lifts off its seat (132). The surface pressure in the sealing section formed by the contact area between valve cone and the corresponding valve seat (146) is below 150 N/mm<2>.

IPC 1-7
F15B 13/01

IPC 8 full level
F15B 13/01 (2006.01)

CPC (source: EP)
F15B 13/015 (2013.01)

Cited by
EP1128109A1; US7392971B2; WO2004092591A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0764785 A2 19970326; EP 0764785 A3 19980603; EP 0764785 B1 20011128; DE 19535223 A1 19970327; DE 59608303 D1 20020110

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