

Title (en)
VALVE

Title (de)
VENTIL

Title (fr)
SOUPAPE

Publication
EP 0733178 A1 19960925 (EN)

Application
EP 95902068 A 19941129

Priority
• DE 4341847 A 19931208
• DK 9400441 W 19941129

Abstract (en)
[origin: WO9516155A1] A valve with an inlet and an outlet is disclosed, between which there are arranged a valve seat element (5), which surrounds a duct (8), and a closure element (6), which is arranged to be loaded with a controlling force in the direction in which it engages with the valve seat element (5). It is desirable for such a valve to be used also for fluids having a relatively low boiling temperature, for example, water, and to be able to withstand high pressures and high flow speeds. To that end, the closure element (6) has a closure face (11) running substantially at right angles to the direction of flow, which face lies in a contact zone adjacent to the valve seat element (5), the closure element (6) beyond the closure face (11) having a bevelled sloping face (13) which forms a predetermined first angle (W1) with the closure face (11), and the valve seat element (5) beyond the contact zone having a bevelled lateral face (19) which forms a predetermined second angle (W2) with the axis (10) of the duct.

IPC 1-7
F16K 1/34

IPC 8 full level
F16K 1/00 (2006.01)

CPC (source: EP)
F16K 1/00 (2013.01)

Citation (search report)
See references of WO 9516155A1

Designated contracting state (EPC)
FR GB IT

DOCDB simple family (publication)
DE 4341847 A1 19950614; DE 4341847 C2 19950907; AU 1106495 A 19950627; EP 0733178 A1 19960925; WO 9516155 A1 19950615

DOCDB simple family (application)
DE 4341847 A 19931208; AU 1106495 A 19941129; DK 9400441 W 19941129; EP 95902068 A 19941129