

Title (en)
CHECK VALVE

Title (de)
SCHWEISSABSORBIERENDE WEGWERF-SCHUHEINLAGE

Title (fr)
SOUPAPE ANTIRETOUR

Publication
EP 0770196 A2 19970502 (DE)

Application
EP 95937787 A 19951122

Priority
• DE 9501624 W 19951122
• DE 4445361 A 19941220

Abstract (en)
[origin: DE4445361A1] The invention relates to a check valve with a curved washer (43) pressing a valve closing member (24) against a valve seat (30). To reduce the closing time and reduce the impact of the valve closing member (24) on closing, the invention proposes a transverse shoulder (66) limiting the valve travel.

IPC 1-7
F16K 15/02

IPC 8 full level
F16K 15/02 (2006.01); **F16K 15/14** (2006.01)

CPC (source: EP KR)
F16K 15/02 (2013.01 - EP KR); **F16K 15/144** (2013.01 - EP)

Citation (search report)
See references of WO 9619687A2

Designated contracting state (EPC)
DE ES IT SE

DOCDB simple family (publication)
DE 4445361 A1 19960627; CN 1141669 A 19970129; EP 0770196 A2 19970502; JP H09509727 A 19970930; KR 970701324 A 19970317; WO 9619687 A2 19960627; WO 9619687 A3 19960829

DOCDB simple family (application)
DE 4445361 A 19941220; CN 95191710 A 19951122; DE 9501624 W 19951122; EP 95937787 A 19951122; JP 51940196 A 19951122; KR 19960704460 A 19960816