

Title (en)
Hydraulic ram

Title (de)
Hydraulischer Stossheber

Title (fr)
Bélier-aspirateur

Publication
EP 0802328 B1 20010718 (DE)

Application
EP 96119475 A 19961204

Priority
DE 19615689 A 19960419

Abstract (en)
[origin: EP0802328A1] The device has a forcing water pipe (30), a feed pipe (32), connected to forcing water via a floor valve (4), and a ram valve (3), connected to both pipes. The ram valve is held in closing position by a spring, to separate the water pipes. A pressure accumulator (5) is connected to the forcing water pipe in front of the ram valve, in direction of flow. The floor valve element is ring-shaped, axially movable, and connected sealed to the feed pipe. The effective cross section of this connection is larger than that of the valve seat. The valve seats (6, 4a) of ram valve and floor valve are mechanically coupled for transmission of kinetic energy.

IPC 1-7
F04F 7/02

IPC 8 full level
F04F 7/02 (2006.01)

CPC (source: EP KR)
F04F 7/02 (2013.01 - EP KR)

Cited by
GB2620319A; WO2022218974A1

Designated contracting state (EPC)
AT CH DE ES FR GB GR IT LI

DOCDB simple family (publication)
EP 0802328 A1 19971022; EP 0802328 B1 20010718; AT E203307 T1 20010815; BR 9708769 A 19990803; DE 19615689 A1 19971023; DE 59607317 D1 20010823; ES 2160758 T3 20011116; GR 3036876 T3 20020131; KR 100383489 B1 20030618; KR 20000005524 A 20000125

DOCDB simple family (application)
EP 96119475 A 19961204; AT 96119475 T 19961204; BR 9708769 A 19970416; DE 19615689 A 19960419; DE 59607317 T 19961204; ES 96119475 T 19961204; GR 20010401739 T 20011011; KR 19980708318 A 19981016