

Title (en)
Liquid separator

Title (de)
Flüssigkeitsabscheider

Title (fr)
Séparateur liquide

Publication
EP 0667444 B1 19960918 (DE)

Application
EP 94116860 A 19941026

Priority
DE 4404709 A 19940215

Abstract (en)
[origin: DE4404709C1] The machine to separate liquids from gases has an entry port for the liquid-bearing gas, a first exit port for the liquid and a second exit port for the gas, once free of liquid. In the entry port, there is a device to adjust the flow cross-section. The entry port is a pipe (1) with a rigid wall (6) and the adjuster is a pneumatic element (7) that moves another wall (15). The element has a housing (9) containing an elastomeric membrane (10), pressed against by a spring (14) and attached to the adjuster rod. Where the rod passes through the fixed wall is gas tight. The chambers (11,12) on each side of the membrane are subject to different pressures.

IPC 1-7
F01M 13/04; **F01M 13/02**

IPC 8 full level
F01M 13/02 (2006.01); **F01M 13/04** (2006.01); **F02B 1/04** (2006.01)

CPC (source: EP US)
F01M 13/023 (2013.01 - EP US); **F01M 13/04** (2013.01 - EP US); **F02B 1/04** (2013.01 - EP US)

Cited by
DE102005061256A1; CN104879190A

Designated contracting state (EPC)
BE DE ES FR GB IT SE

DOCDB simple family (publication)
DE 4404709 C1 19950608; BR 9500363 A 19951017; DE 59400694 D1 19961024; EP 0667444 A1 19950816; EP 0667444 B1 19960918; ES 2092853 T3 19961201; US 5536289 A 19960716

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DE 4404709 A 19940215; BR 9500363 A 19950127; DE 59400694 T 19941026; EP 94116860 A 19941026; ES 94116860 T 19941026; US 38800195 A 19950213