

Title (en)
Feeder channel for diluting fluid

Title (de)
Zuführkanal für Verdünnungsfluid

Title (fr)
Canal de distribution pour fluide de dilution

Publication
EP 2505711 A2 20121003 (EN)

Application
EP 12160729 A 20120322

Priority
FI 20115312 A 20110331

Abstract (en)
Feeder channel (1) for diluting fluid, such as for diluting water, which feeder channel is in connection with the headbox (10) of a paper machine and comprises one or more reservoir-type spaces (7), such as a chamber, for receiving diluting fluid, which space comprises one or more walls (4), and that an aperture (13) is formed in the reservoir-type space (7), via which aperture the diluting fluid can be conducted into the stock flow space (9) of the headbox, and that one or more shut-off/adjustment means (5), with which the flow of diluting fluid via the aforementioned aperture (13) can be adjusted, is fitted into the feeder channel (1), and that the shutoff/adjustment means (5) is a shut-off/adjustment means that can be moved in the longitudinal direction of an aperture that is in connection with the aperture (13) formed in the wall (4) of the reservoir-type space, and that in the shutoff/adjustment means (5) that is partly or wholly inside the aperture there are one or more cavities and/or recesses (6, 14), via which the flow of diluting fluid from the reservoir-type space (7) either directly or via an intermediate piece (11) into the stock flow space (9) can be adjusted by moving the shut-off/adjustment means (5) in the aperture (13), and that the shut-off/adjustment means (5) comprises a support surface or support surfaces (6''), which can rest on the inside surface (13') of the aperture (13) for preventing vibration of the adjustment means (5) caused by the flow of the diluting fluid at least during operation of the shut-off/adjustment means.

IPC 8 full level
D21F 1/02 (2006.01)

CPC (source: EP FI US)
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Citation (applicant)
FI 112260 B 20031114 - VOITH SULZER PAPIERMASCH GMBH [DE]

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