

Title (en)
Homogenization valve with rotatable intermediate seat element

Title (de)
Homogenisierungsventil mit drehbarem Zwischenelement

Title (fr)
Soupape d'homogénéisation avec élément intermédiaire rotatif

Publication
EP 1273340 A1 20030108 (EN)

Application
EP 02077806 A 20020708

Priority
NL 1018487 A 20010706

Abstract (en)
Homogenization valve for homogenizing a fluid, comprising a fluid inlet (7) for supplying the fluid under pressure, a fluid outlet (8) for discharging homogenized fluid, a first seat element (2), and at least one intermediate seat element (5), which seat elements together leave clear a feed-through channel that is situated around an axis (12) of the homogenization valve and connects to the fluid inlet (7) or fluid outlet (8), and a valve element (3) that is positioned opposite the intermediate seat element (5), in which at least during operation homogenization passage gaps (10) are present between wall surfaces of opposite seat elements (25), and between wall surfaces of the valve element (3) and the intermediate seat element (5) situated opposite it, which passage gaps (10) are in fluid communication with the fluid inlet (7), on the one hand, and the fluid outlet (8), on the other hand. At least one intermediate seat element (5) is rotatably mounted in such a way that during operation a fluid flow causes the intermediate seat element (5) to rotate relative to the valve element (3) and the first seat element (2) respectively. <IMAGE>

IPC 1-7
B01F 5/06; **B01F 7/00**

IPC 8 full level
B01F 5/06 (2006.01); **B01F 7/00** (2006.01); **B01F 15/00** (2006.01)

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B01F 25/44121 (2022.01); **B01F 25/4423** (2022.01); **B01F 27/271** (2022.01); **B01F 35/32015** (2022.01)

Citation (search report)
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• [A] US 2057925 A 19361020 - SMITH KARL D, et al
• [A] US 4199267 A 19800422 - HENDRIKZ JOHN M [GB]

Cited by
ITPR20090023A1; US10151398B2

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