

Title (en)

VALVE FOR CARRYING OUT A MASS TRANSFER PROCESS

Title (de)

VENTIL ZUR DURCHFÜHRUNG EINES STOFFAUSTAUSCHPROZESSES

Title (fr)

VANNE DESTINÉE À METTRE EN UVRE UN PROCESSUS DE TRANSFERT DE MATIÈRE

Publication

EP 3185977 A1 20170705 (DE)

Application

EP 15751043 A 20150824

Priority

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- EP 2015069339 W 20150824

Abstract (en)

[origin: WO2016030322A1] The invention relates to a valve for carrying out a mass transfer process, which is accommodated in a separation tray comprising a top (3) and a bottom (5) tray, wherein a sluice (1) is configured between the top tray (3) and the bottom tray (5), wherein the valve (13) comprises a closing element (11) which is designed such that an opening (9) in the bottom tray (5) of the sluice (1) can be closed with the closing element (11) in a first valve position, so that fluid can flow from the upper tray (3) into the sluice (1), and the opening (9) in the lower tray (5) is open in a second valve position, and an opening (7) in the top tray (3) is open so that gas can flow through the sluice (1) and through the fluid on the top tray (3). The closing element (11) is configured in the form of a hood, which comprises a casing (23) having openings (21) which are positioned such that in the second valve position gas can flow through the openings (21) into the fluid on the top tray (3), and wherein a flue (15) is also comprised, wherein the closing element (11) configured as a hood and the flue (15) are designed such that the cross-section of the flue (15) is smaller than the cross-section of the closing element (11) configured as a hood, and wherein the flue (15) is connected to the bottom tray (5) of the sluice (1) and protrudes into the sluice (1), or wherein the flue (15) is connected to the closing element (11) configured as a hood.

IPC 8 full level

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Citation (search report)

See references of WO 2016030322A1

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