Title (en)

NOZZLE ARRANGEMENT FOR LIQUID

Title (de)

DÜSENANORDNUNG FÜR FLÜSSIGKEIT

Title (fr)

ENSEMBLE DE BUSES POUR LIQUIDE

Publication

EP 3200928 A1 20170809 (DE)

Application

EP 14777676 A 20141002

Priority

EP 2014071211 W 20141002

Abstract (en)

[origin: WO2016050314A1] The invention relates to a nozzle arrangement (10) comprising a nozzle inlet part (12), which has an inlet channel (28) for pressurised liquid, and comprising a nozzle outlet part (16), which can be continuously displaced back and forth relative to the nozzle inlet part (12) between a first position and a second position and which has a high-pressure nozzle (74) designed as a flat-spray nozzle and at least one low-pressure nozzle (104, 106) designed as a flat-spray nozzle. In the first position, only the high-pressure nozzle (74) is connected to the inlet channel (28), and in the second position the high-pressure nozzle (74) and the at least one low-pressure nozzle (104, 106) are connected to the inlet channel (28). In order to uniformly alter the pressure of the dispensed liquid while keeping the delivery quantity constant and keeping changes to the jet pattern as low as possible, the at least one low-pressure nozzle (104, 106) is radially offset with respect to the high-pressure nozzle (74) and the nozzle outlet part (16) has a connecting nipple (78) via which the high-pressure nozzle (74) has a flow connection to the inlet channel (28) irrespective of the position of the nozzle outlet part (16) and which interrupts a flow connection of the inlet channel (28) to the at least one low-pressure nozzle (104, 106) in the first position of the nozzle outlet part (16) and which exposes an increasing annular gap (13) of adjustable width on transition of the nozzle outlet part (16) into the second position, wherein via said annular gap the inlet channel (28) has a flow connection to the at least one low-pressure nozzle (104, 106).

IPC 8 full level

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Citation (search report)

See references of WO 2016050314A1

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