Title (en)

MULTI-MEDIA NOZZLE, IN PARTICULAR TWO-MEDIA NOZZLE

Title (de)

MEHRSTOFFDÜSE, INSBESONDERE ZWEISTOFFDÜSE

Title (fr)

BUSE MULTIPLE, EN PARTICULIER BUSE DOUBLE

Publication

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Application

EP 20707382 A 20200221

Prioritv

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- EP 2020054646 W 20200221

Abstract (en)

[origin: WO2020211994A1] The invention relates to a multi-media nozzle, in particular two-medianozzle, for atomising a fluid using an atomising medium, comprising a nozzle body (1) having at least one outer tube (2), an inner tube (3) arranged in the outer tube, and a nozzle needle (4) arranged in the inner tube such that it can be moved in the longitudinal direction (L), and comprising a drive (5) for the moving of the nozzle needle (4) in the longitudinal direction (L). An inner ring channel (6) for the fluid is arranged between the nozzle needle (4) and inner tube (3) and an outer ring channel (7) for the atomising medium is arranged between the outer tube (2) and inner tube (3), wherein the inner tube (3) has an end-side outlet opening (8) for the fluid, which connects at the end to the inner ring channel (6), wherein the nozzle needle (4) can be introduced into the outer closing surface (17) surrounding the nozzle needle (4) all around the outer circumference lies against a corresponding inner closing surface (18) in the inner tube. The nozzle needle (4) on the side of the outer closing surface (17) facing away from the needle end (16), spaced apart from said closing surface (20) cooperates with an inner surface (21) of the inner ring channel (6) in such a way that the through-flow through the inner ring channel (6) can be changed.

IPC 8 full level

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