

Title (en)
ROTARY NOZZLE FOR A HIGH-PRESSURE CLEANING DEVICE

Title (de)
ROTORDÜSE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)
BUSE ROTATIVE POUR DISPOSITIF DE NETTOYAGE HAUTE PRESSION

Publication
EP 4263063 A1 20231025 (DE)

Application
EP 20837954 A 20201216

Priority
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Abstract (en)
[origin: WO2022128085A1] The invention relates to a rotary nozzle (10) for a high-pressure cleaning device having a housing (12), which has at least one liquid inlet (24) and a liquid outlet (36), and having a rotor (52) which is arranged in an interior (18) of the housing (12) and has a rotor body (54) and a nozzle (56), wherein the nozzle (56) is fixed to a front end region (58) of the rotor body (54) facing the liquid outlet (36) and the rotor body (54) has a passage channel (62) to which a nozzle channel (64) of the nozzle (56) connects, and wherein the rotor (52) is supported on a pan-shaped, centrally perforated recess (39) arranged upstream of the liquid outlet (36), wherein the longitudinal axis (60) of the rotor (52) is inclined relative to the longitudinal axis (26) of the housing (12) and the rotor (52) is caused to revolve by the liquid flowing through the housing (12), wherein the longitudinal axis (60) of the rotor (52) revolves on a surface of a cone. In order to further develop the rotor nozzle (10) such that vibrations occurring during operation thereof can be minimized by means of a simple design, according to the invention the maximum density of the rotor body (54) is 1 g/cm³.

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