

Title (en)

ROTOR NOZZLE FOR A HIGH-PRESSURE CLEANING DEVICE

Title (de)

ROTORDÜSE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)

BUSE DE ROTOR DESTINÉE À UN APPAREIL DE NETTOYAGE HAUTE PRESSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2014023341A1] The invention relates to a rotor nozzle (10; 80) for a high-pressure cleaning device with a housing (18) which has at least one inlet (44) and an outlet (46), and with a nozzle body (52) disposed in the housing (18), said nozzle body having a through-channel (62) and supported by means of a crowned end (58) on a pot-shaped bearing surface (50; 83) allocated to the outlet (46), the longitudinal axis (60) of the nozzle body being inclined with respect to the longitudinal axis (35) of the housing (18) and the nozzle body being displaced in a circulating motion by the liquid flowing through the housing, during which movement the longitudinal axis (60) of the nozzle body (52) circulates on a conical surface. In order to develop the rotor nozzle in such a way that it can be produced economically without the risk of the crowned end (58) of the nozzle body (52) or the bearing surface (50) being damaged within a short time, according to the invention a wear-protection element (74) is disposed between the crowned end (58) of the nozzle body (52) and the bearing surface (50; 83).

IPC 8 full level

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