

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

Title (de)
ROTORDÜSE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)
ROTABUSE POUR NETTOYEUR HAUTE PRESSION

Publication
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Application
EP 15706847 A 20150302

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Abstract (en)
[origin: WO2016138929A1] Disclosed is a rotary nozzle (10) for a high-pressure cleaning device, comprising a housing (12) that has at least one tangentially extending inlet (18) and an outlet (22) which is located on an end wall (24) and on which a pot-shaped, centrally open depression (30) is located, and comprising a nozzle member which is disposed in the housing (12) and has a continuous duct (72) and a spherical end (64) of which is supported in the pot-shaped depression (30); the longitudinal axis (70) of the nozzle member extends at an angle from the longitudinal axis (26) of the housing (12); the nozzle member is made to rotate by the liquid flowing through the housing (12) and is supported on a bearing surface (40) while rotating; a plurality of flow resistance elements, each of which has an impact surface (52; 20), is arranged on the wall of the housing (12), downstream of the bearing surface (40). In order to be able to effectively limit the rotational speed of the nozzle member (62) without notably affecting the beginning of the rotating movement of the nozzle member (62), a guiding surface (54; 122) is located upstream of each impact surface (52; 120) in relation to the direction in which the liquid flows, the impact surface (52; 120) adjoins said guiding surface (54; 122) without interruption, and the guiding surface (54; 122) runs at an angle from the radial plane of the housing (12).

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