

Title (en)

FLAT-JET NOZZLE FOR A HIGH-PRESSURE CLEANING DEVICE

Title (de)

FLACHSTRAHLDÜSE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)

BOSE A JET PLAT POUR UN APPAREIL DE NETTOYAGE A HAUTE PRESSION

Publication

**EP 0683696 B1 19980812 (DE)**

Application

**EP 94906223 A 19940205**

Priority

- DE 4303762 A 19930209
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Abstract (en)

[origin: US5597122A] PCT No. PCT/EP94/00330 Sec. 371 Date Oct. 2, 1995 Sec. 102(e) Date Oct. 2, 1995 PCT Filed Feb. 5, 1994 PCT Pub. No. WO94/17921 PCT Pub. Date Aug. 18, 1994 In order to obtain a flat jet having a particularly uniform distribution of pressure in a flat jet nozzle for a high-pressure cleaning device with an outlet opening and a flow channel arranged upstream of and opening into this outlet opening, it is suggested that the flow channel and the outlet opening have a circular cross section transversely to the direction of flow and be arranged concentrically to one another, that the flow channel narrow conically in the direction of flow and merge into a circular-cylindrical section located upstream in front of the outlet opening, the end of this section forming the outlet opening, and that pocket-like extensions of the flow channel be arranged on diametrically opposite sides of the flow channel in the region where the conical section of the flow channel merges into the circular-cylindrical section, these extensions being arranged and designed symmetrically to one another, extending essentially over the entire diameter of the circular-cylindrical section and having a deflecting surface conducting part of the liquid flowing through the conical section essentially transversely into the cylindrical section.

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CPC (source: EP US)

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