

Title (en)

FLAT-JET NOZZLE FOR A HIGH-PRESSURE CLEANING DEVICE.

Title (de)

FLACHSTRAHLDÜSE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT.

Title (fr)

BUSE A JET PLAT POUR UN APPAREIL DE NETTOYAGE A HAUTE PRESSION.

Publication

**EP 0683696 A1 19951129 (DE)**

Application

**EP 94906223 A 19940205**

Priority

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- EP 9400330 W 19940205

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)

**B05B 1/042** (2013.01 - EP US); **B05B 1/048** (2013.01 - EP US)

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**US 5597122 A 19970128**; AT E169524 T1 19980815; AU 6002194 A 19940829; AU 677985 B2 19970515; CA 2154697 A1 19940818; CA 2154697 C 19980623; DE 4303762 A1 19940811; DE 59406683 D1 19980917; DK 0683696 T3 19990208; EP 0683696 A1 19951129; EP 0683696 B1 19980812; FI 109883 B 20021031; FI 953764 A0 19950808; FI 953764 A 19950808; JP 2637626 B2 19970806; JP H08504673 A 19960521; NO 300919 B1 19970818; NO 953112 D0 19950808; NO 953112 L 19950808; WO 9417921 A1 19940818

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