

Title (en)

Water bath tub with air spray line with stop valve in the suction line.

Title (de)

Wasserbecken mit Luftsprudelvorrichtung, mit Halteventil in der Saugleitung.

Title (fr)

Bassin d'eau à jet d'air avec valve de retenue dans la conduite d'aspiration.

Publication

EP 0454177 B1 19940914 (DE)

Application

EP 91108118 A 19880503

Priority

- DE 3715010 A 19870506
- EP 88107070 A 19880503

Abstract (en)

[origin: EP0297246A1] Water bath tub with air spray device, having a pressure generator (1) and supply pipes (6, 15) which, with the nozzle openings closed, can be circulated and flushed. With nozzle housings, which are designed as multi-way valves (4), into which closure bodies (10) are fitted, which bodies can be moved into different open and closed positions by means of hydraulic or pneumatic forces. <IMAGE>

IPC 1-7

A61H 33/02

IPC 8 full level

A61H 33/00 (2006.01); **A61H 33/02** (2006.01)

CPC (source: EP)

A61H 33/02 (2013.01); **A61H 33/026** (2013.01); **A61H 33/027** (2013.01); **A61H 33/60** (2013.01); **A61H 33/6057** (2013.01); **A61H 33/6063** (2013.01); **A61H 2033/0016** (2013.01); **A61H 2033/002** (2013.01); **A61H 2033/0033** (2013.01); **A61H 2033/023** (2013.01)

Citation (examination)

EP 0215514 A2 19870325 - TEUCO GUZZINI SRL [IT]

Cited by

EP0752242A3; DE4395718C1; WO9410964A1; EP0765650B1; EP0765650A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0297246 A1 19890104; **EP 0297246 B1 19920318**; AT E111338 T1 19940915; AT E126048 T1 19950815; AT E73642 T1 19920415; DE 3745018 C2 19951123; DE 3745024 C2 19950119; DE 3851545 D1 19941020; DE 3854306 D1 19950914; DE 3869228 D1 19920423; EP 0454177 A1 19911030; EP 0454177 B1 19940914; EP 0590228 A1 19940406; EP 0590228 B1 19950809; EP 0590228 B2 20020102

DOCDB simple family (application)

EP 88107070 A 19880503; AT 88107070 T 19880503; AT 91108118 T 19880503; AT 93103458 T 19880503; DE 3745018 A 19870506; DE 3745024 A 19870506; DE 3851545 T 19880503; DE 3854306 T 19880503; DE 3869228 T 19880503; EP 91108118 A 19880503; EP 93103458 A 19880503