

Title (en)  
Liquid nozzle and jetting head

Title (de)  
Flüssigkeits-Strahldüse und Strahlkopf

Title (fr)  
Buse à fluide et tête à jet

Publication  
**EP 0880997 A2 19981202 (DE)**

Application  
**EP 96118192 A 19961113**

Priority  
DE 29517853 U 19951113

Abstract (en)  
The pressurised fluid jet leaves the nozzle channel (50) in the nozzle body and enters into a larger rectifying channel (58) in a direct axial extension of the nozzle channel so that the fluid parts are bundled together to form a concentrated jet. The ratio of the through-flow faces of the rectifying channel and nozzle is below 16. At least one by-pass flow device allows at least one by-pass current parallel to the central current through the nozzle channel whereby the fluid inlet and the start of the rectifying channel are connected. The fluid by pass can be switched on and off by a preferably infinitely adjustable fluid valve.

Abstract (de)  
Eine Druckwasser-Spritzdüse für Hochdruckreinigung hat in Umkehrung bekannter Bauarten einen vom Druckwasser durchflossenen kleinen Durchmesser, dem ein geringfügig größerer, den Wasserstrahl nachzentrierender Durchmesser nachgeschaltet ist, so daß sich ein besonders scharfer Punktstrahl ergibt, der durch verschiedene Bauartmodifikationen in Parallel- und/oder Hintereinanderschaltung modifiziert werden kann.  
<IMAGE>

IPC 1-7  
**B05B 1/10**

IPC 8 full level  
**A62C 31/03** (2006.01); **B05B 1/10** (2006.01); **B05B 1/16** (2006.01); **B05B 1/28** (2006.01); **B05B 1/30** (2006.01); **B05B 1/34** (2006.01); **B05B 7/04** (2006.01); **B05B 7/14** (2006.01); **B24C 5/04** (2006.01)

CPC (source: EP US)  
**A62C 31/03** (2013.01 - EP); **B05B 1/10** (2013.01 - EP); **B05B 1/16** (2013.01 - EP); **B05B 1/1627** (2013.01 - EP); **B05B 1/28** (2013.01 - EP); **B05B 1/3026** (2013.01 - EP); **B05B 1/3402** (2018.07 - EP US); **B05B 1/3405** (2013.01 - EP); **B05B 7/0425** (2013.01 - EP); **B05B 7/149** (2013.01 - EP); **B24C 5/04** (2013.01 - EP)

Cited by  
CN105983494A

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 29619572 U1 19970828**; DE 29517853 U1 19960229; EP 0880997 A2 19981202; EP 0880997 A3 19990120; JP H1057844 A 19980303

DOCDB simple family (application)  
**DE 29619572 U 19961112**; DE 29517853 U 19951113; EP 96118192 A 19961113; JP 30223196 A 19961113