

Title (en)
WIDE-ANGLED NOZZLE

Title (de)
BREITSTRAHLDÜSE

Title (fr)
JET EVENTAIL

Publication
EP 0801695 B1 19981118 (DE)

Application
EP 96900510 A 19960116

Priority
• DE 9600039 W 19960116
• DE 29503446 U 19950301

Abstract (en)
[origin: WO9627042A1] A wide-angled nozzle (100) for example for applying a liquid on a web of textile material has a housing (10) made of bent sheet metal with an ejection slot (30) delimited by opposite parallel and bent lips (7, 11) that extend in the longitudinal direction of the housing (10) and define an ejection plane (12). A single supply pipe (3) opens into the housing (10) at right angles to the ejection plane (12). At least three deflecting surfaces (13, 14, 15) that follow each other in the flow direction and extend perpendicularly to the local flow direction deflect the flow each time by 90 DEG . The deflecting surfaces (13, 14, 15) are located in a plane that is perpendicular to the longitudinal direction of the housing (10) and extends through the axis of the part (3') of the supply pipe (3) that is adjacent to the housing (10).

IPC 1-7
D06B 1/02; **B05B 1/04**

IPC 8 full level
B05B 1/04 (2006.01); **D06B 1/02** (2006.01)

CPC (source: EP US)
D06B 1/02 (2013.01 - EP US)

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DE 29503446 U1 19960704; DE 59600830 D1 19981224; EP 0801695 A1 19971022; EP 0801695 B1 19981118; US 5906320 A 19990525; WO 9627042 A1 19960906

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DE 29503446 U 19950301; DE 59600830 T 19960116; DE 9600039 W 19960116; EP 96900510 A 19960116; US 89451097 A 19970820