

Title (en)
LIQUID-JET NOZZLE

Title (de)
FLÜSSIGKEITSSTRAHLDÜSE

Title (fr)
BUSE D'ÉJECTION DE LIQUIDE

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Application
EP 17828660 A 20171205

Priority
• DE 102016123994 A 20161209
• EP 2017081450 W 20171205

Abstract (en)
[origin: WO2018104266A1] The invention relates to a liquid-jet nozzle comprising a housing (1) which has a liquid inlet opening (2) and a jet outlet opening (3), and comprising a jet forming area (S) which is arranged between the liquid inlet opening (2) and the jet outlet opening (3) and which has a flow channel, the passage cross-section of which can be altered. The flow channel is radially outwardly delimited in the jet forming area (S) by an elastically deformable funnel membrane (12), the outer periphery of which is permanently sealed to the housing (1) and which is tapered in the throughflow direction (A). In order to automatically alter the passage cross-section according to the local liquid pressure, the funnel membrane radially expands when the liquid pressure increases, and radially contracts when the liquid pressure decreases.

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Citation (search report)
See references of WO 2018104266A1

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