

Title (en)

METHOD AND DEVICE FOR OBTAINING A DETERMINED FLOW RESISTANCE OF A FLOW CHANNEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERZIELEN EINES BESTIMMTEN DURCHFLUSSWIDERSTANDES EINES STRÖMUNGSKANALS

Title (fr)

PROCEDE ET DISPOSITIF POUR OBTENIR UNE RESISTANCE A L'ECOULEMENT DETERMINEE D'UN CANAL D'ECOULEMENT

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Application

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Abstract (en)

[origin: WO03066263A1] The invention relates to a method for obtaining a determined flow resistance of a flow channel (1), especially an opening in a component (2), said method comprising the following steps: a liquid (3) flows through the flow channel (1); a characteristic is determined, which depends on the flow resistance of the flow channel (1) in the component (2); and the flow channel (1) is machined according to a working method until the characteristic reaches a pre-determined nominal value. The inventive method is characterised in that the characteristic is determined from a first measurand and a second measurand which can change over time. The inventive method and the device suitable for carrying out the same are especially characterised in that a determined flow resistance of a flow channel in components such as spray nozzles or gas turbine blades can be obtained with high precision, without having to meet especially constructional requirements relating to the structure of the device used to produce a liquid flow, or requiring means for stabilising pressure or flow rates, as has been the case until now in prior art.

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