

Title (en)

METHOD OF AERODYNAMICAL TEXTURING, TEXTURING NOZZLE, NOZZLE HEAD AND USE THEREOF

Title (de)

VERFAHREN ZUM AERODYNAMISCHEN TEXTURIEREN, TEXTURIERDÜSE, DÜSENKOPF SOWIE VERWENDUNG

Title (fr)

PROCEDE DE TEXTURATION AERODYNAMIQUE, TUYERE DE TEXTURATION, T TE DE TUYERE ET LEUR UTILISATION

Publication

**EP 0880611 A1 19981202 (DE)**

Application

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Priority

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Abstract (en)

[origin: DE19605675A1] To increase the intensity of the texturing, the invention proposes to maintain airflow above Mach 2 by using a nozzle duct of a certain form. The total opening angle of the nozzle duct directly upstream of the texturing zones is larger than the ideal Laval angle and has an effective length which is preferably a multiple of the narrowest diameter of the nozzle. The invention improves, in particular, texturing quality, especially at high production speeds which can be increased up to in the range of 600 to 1000m/min and beyond. It has been demonstrated, surprisingly, that the new nozzle core can be designed in such a manner that it has all the advantages of the invention and can be used as a replacement part for prior art nozzle cores. The same applies to the complete texturing head since the invention can be used with the same external geometric overall dimensions, at the same air pressure and with the same air quantity.

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IPC 8 full level

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CPC (source: EP KR US)

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See references of WO 9730200A1

Cited by

US7752723B2; WO2004106605A1; EP2298973A1; US7500296B2; EP2213774A1; WO2010086258A1; EP2671986A2; US8726474B2

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