

Title (en)

Device for uniform feeding of a heat treatment gas onto the surface of a workpiece

Title (de)

Vorrichtung zur gleichmässigen Beaufschlagung einer planen Oberfläche eines Werkstückes mit einem Wärmebehandlungsgas

Title (fr)

Dispositif pour l'introduction uniforme d'un gaz de traitement thermique sur la surface plane d'une pièce

Publication

EP 0846930 B1 20030319 (DE)

Application

EP 97121603 A 19971208

Priority

DE 19650965 A 19961207

Abstract (en)

[origin: EP0846930A2] A discharge for a fluid, especially gas, over the flat surface of a work-piece. The discharge comprises a flat array (6) of jets (1,2,3,4) arranged in groups. The distance between individual jets within a single group is less than the distance between jets in neighbouring groups. Each jet has gas guide-vanes (7), and each group of jets discharges a joint vortex covering 360 degrees . The vanes may be fitted to both the inlet and outlet sides of the array. The vanes deflect the gas through an angle of preferably 15 to 45 degrees .

IPC 1-7

F27D 15/02; B05B 1/00; B05B 1/14; F27D 7/04

IPC 8 full level

B05B 1/00 (2006.01); **B05B 1/14** (2006.01); **F27D 7/04** (2006.01); **F27D 15/02** (2006.01)

CPC (source: EP)

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EP 0846930 A2 19980610; **EP 0846930 A3 19990414**; **EP 0846930 B1 20030319**; AT E235035 T1 20030415; DE 19650965 C1 19980813; DE 59709558 D1 20030424

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