

Title (en)

METHOD FOR TREATING SURFACES AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR BEHANDLUNG VON OBERFLÄCHEN SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE DE TRAITEMENT DE SURFACES AINSI QUE DISPOSITIF DE MISE EN OEUVRE DUDIT PROCEDE

Publication

EP 1144123 A3 20011205 (DE)

Application

EP 00922315 A 20000428

Priority

- AT 0000108 W 20000428
- AT 76299 A 19990429

Abstract (en)

[origin: WO0066279A8] The invention relates to a novel method and a device for treating surfaces. A surface area is exposed to defined pressure and temperature conditions and at least component of said area can simultaneously be controlled by means of an enlarging optical system. Figure 6 shows a simple embodiment of the inventive device. A pressure chamber (5) is arranged between the optical system (4) and the surface area (1) and is at least transparent in the direction of the beam path. A component of said pressure chamber faces the surface area, embraces the front wall and is moveable in order to transmit pressure. The inventive device can be advantageously fixed on an x/y table. An electronic control loop which can process signals of a pressure sensor (13) into actuating signals for pressure valves (8, 9) that are provided in the pressure medium line (7) is indicated by a few strokes. The pressure medium line (7) runs into the pressure chamber (5) via connecting sleeves (10). The front wall can consist of two flexible plastic films (19a, 19b) that are fixed by means of two sealing rings (21a, 21b) and can be automatically moved for functional reasons. Auxiliary elements can be introduced between the two films and via the connecting sleeves (22a, 22b). A ring lamp (14) can serve for illuminating the surface area.

IPC 1-7

B05C 1/00

IPC 8 full level

B05D 1/28 (2006.01); **B05D 5/00** (2006.01); **B44C 1/10** (2006.01); **B44C 1/16** (2006.01); **B44C 1/17** (2006.01); **B44D 7/00** (2006.01)

CPC (source: EP)

B05D 1/28 (2013.01); **B05D 5/005** (2013.01); **B44C 1/105** (2013.01); **B44D 7/00** (2013.01)

Cited by

CN113145406A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0066279 A2 20001109; **WO 0066279 A3 20010830**; **WO 0066279 A8 20010405**; AT 407012 B 20001127; AT A76299 A 20000415; AT E347937 T1 20070115; AU 4274800 A 20001117; DE 50013859 D1 20070125; EP 1144123 A2 20011017; EP 1144123 A3 20011205; EP 1144123 B1 20061213

DOCDB simple family (application)

AT 0000108 W 20000428; AT 00922315 T 20000428; AT 76299 A 19990429; AU 4274800 A 20000428; DE 50013859 T 20000428; EP 00922315 A 20000428