



(51) International Patent Classification:
B24D 13/10 (2006.01) **B24B 1/04** (2006.01)

(21) International Application Number:
PCT/EP2010/000637

(22) International Filing Date:
3 February 2010 (03.02.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0902333.4 13 February 2009 (13.02.2009) GB

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
14 October 2010

(54) Title: A SURFACE TREATMENT DEVICE

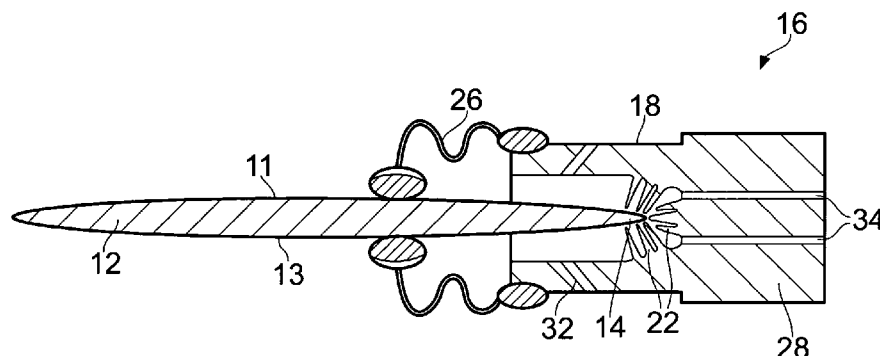


FIG. 4

(57) Abstract: A surface treatment device (16) comprises an enclosure (18) which has an opening (20) through which the leading edge (14) of an aerofoil (12) passes. A sealing element (26) is provided on the enclosure (18) to seal the device (16) to the surfaces (11, 13, 14) of the aerofoil (12). An abrasive is located within the enclosure (18) and two fluid openings (32) are also provided through which a chemical accelerant can be pumped. In operation the enclosure (18) is oscillated relative to the component (12) so that material is abraded. Whilst the enclosure (18) is oscillated a chemical accelerant is simultaneously pumped through it. The device (16) allows for the local application of a surface treatment on a component.