

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
11 May 2023 (11.05.2023)



(10) International Publication Number
WO 2023/079418 A1

(51) International Patent Classification:

B41C 1/02 (2006.01) *B29C 45/37* (2006.01)
B44B 5/00 (2006.01) *B41C 1/05* (2006.01)

(21) International Application Number:

PCT/IB2022/060329

(22) International Filing Date:

27 October 2022 (27.10.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

21206752.4 05 November 2021 (05.11.2021) EP

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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, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,
KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU,
LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG,
NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS,
RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,

(54) Title: METHOD FOR ENGRAVING CODE PATTERNS IN A SOLID PIECE'S TOOL SURFACE

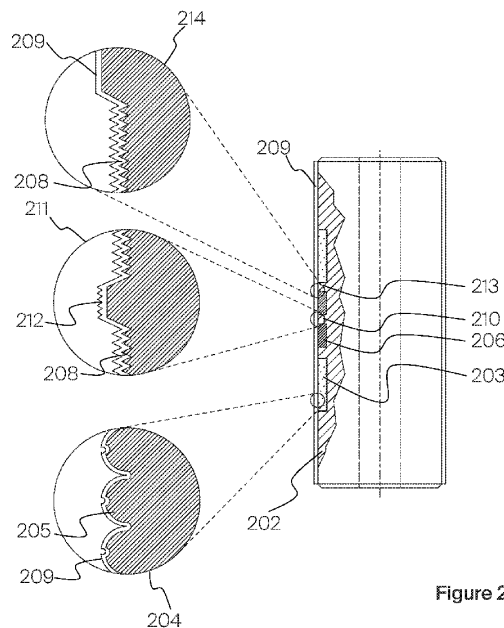


Figure 2-6

(57) Abstract: A method for engraving a solid piece's tool surface with a plurality of code patterns of structures, wherein the plurality of code patterns comprises a first code pattern comprising first structures with lateral sizes and pitches respectively in a range of 20 to 500 μm ; a second code pattern comprising second structures with lateral sizes and pitches each in a range of 1 to 20 μm ; and a third code pattern comprising third structures with lateral sizes and pitches each in a range of 0.2 to 5 μm . The method comprises providing a virgin base surface on the solid piece's tool surface; polishing the virgin base surface to obtain a polished base surface; depositing a hard layer on the polished base surface; engraving the third code pattern in the hard layer. The method comprises engraving the first code pattern and the second code pattern before the step of depositing the hard layer, wherein the hard layer reproduces the topography of the first code pattern and the second code pattern.

[Continued on next page]

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, 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))*
 - *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*
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