

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 October 2008 (30.10.2008)

PCT

(10) International Publication Number
WO 2008/131032 A1

(51) International Patent Classification:
G03F 7/00 (2006.01)

(74) Agents: **HARRACH**, Tracey et al.; Traskbritt, 230 South
500 East, Suite 300, P.O. Box 2550, Salt Lake City, UT
84110-2550 (US).

(21) International Application Number:
PCT/US2008/060520

(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, 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, PG, PH,
PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
ZA, ZM, ZW.

(22) International Filing Date: 16 April 2008 (16.04.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/787,928 18 April 2007 (18.04.2007) US

(71) Applicant (for all designated States except US): **MICRON
TECHNOLOGY, INC.** [US/US]; Mail Stop 525, 8000
South Federal Way, Boise, ID 83707-0006 (US).

(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, MT, NL,

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MILLWARD, Dan, B.**
[US/US]; 1872 Litecrest Street, Boise, ID 83712 (US).

[Continued on next page]

(54) Title: METHODS OF FORMING A STAMP, METHODS OF PATTERNING A SUBSTRATE, AND A STAMP AND A PATTERNING SYSTEM FOR SAME

(57) Abstract: A method of patterning a substrate is disclosed. An ink material is chemisorbed to at least one region of a stamp and the chemisorbed ink material is transferred to a receptor substrate. The ink material has greater chemical affinity for the receptor substrate than for the at least one region of the stamp. A method of forming the stamp is also disclosed, as are the stamp and a patterning system.

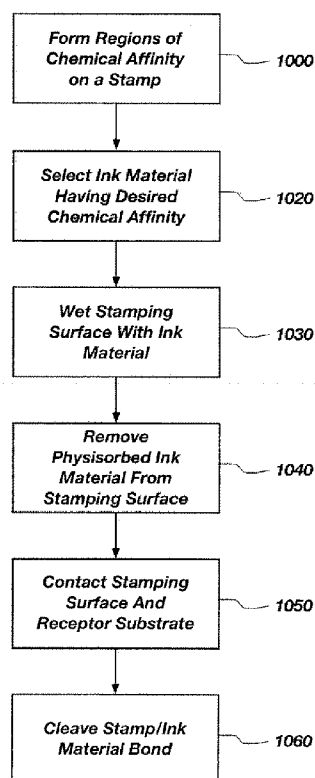


FIG. 2



NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

Published:

— *with international search report*