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MOLECULAR IMPRINTS, INC. [US/US]; 1807 West Braker Ln, Bldg. C-100, Austin, TX 78758-3605 (US).(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).(72) Inventors: **SCHMID, Gerard**; 10703 Misting Falls Trail, Austin, TX 78731 (US). **MILLER, Michael, N.**; 11601 Broad Oaks Drive, Austin, TX 78759 (US). **CHOI, Byung-Jin**; 11512 Medallion Lane, Austin, TX 78750 (US). **RESNICK, Douglas, J.**; 102 Forest Trail, Leander, TX 78641 (US). **SREENIVASAN, Sidlgata V.**; 10502 Grand Oak Drive, Austin, TX 78750 (US). **XU, Frank, Y.**; 3814 Harvey Penick Dr., Round Rock, TX 78664 (US). **DONALDSON, Darren, D.**; 13202 Vendrell Drive, Austin, TX 78729 (US).

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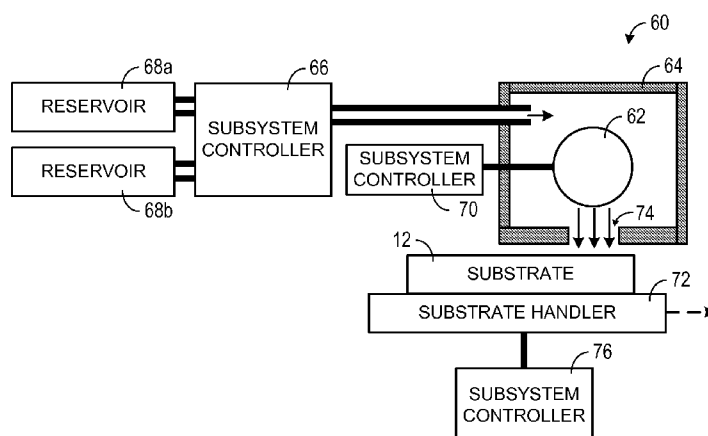


FIG. 3

(57) Abstract: Polymerized material on a substrate may be removed by exposure to vacuum ultraviolet (VUV) radiation from an energy source within a gaseous atmosphere of a controlled composition. Following such removal, additional etching techniques are also described for nano-imprinting.



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