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(71) Applicant *(for all designated States except US)*: **WEIMER, Wayne, A.** [US/US]; 2813 Firethorn Circle, Plano, TX 75093 (US).

(74) Agent: **SOROCCO, Douglas, J.**; DUNLAP, CODDING AND ROGERS P.C., PO Box 16370, Oklahoma City, OK 73113 (US).

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(54) **Title:** SYSTEMS AND METHOD FOR FABRICATING SUBSTRATE SURFACES FOR SERS AND APPARATUSES UTILIZING SAME

(57) **Abstract:** The present invention is related in general to chemical and biological detection and identification and more particularly to systems and methods for the rapid detection and identification of low concentrations of chemicals and biomaterials using surface enhanced Raman spectroscopy.