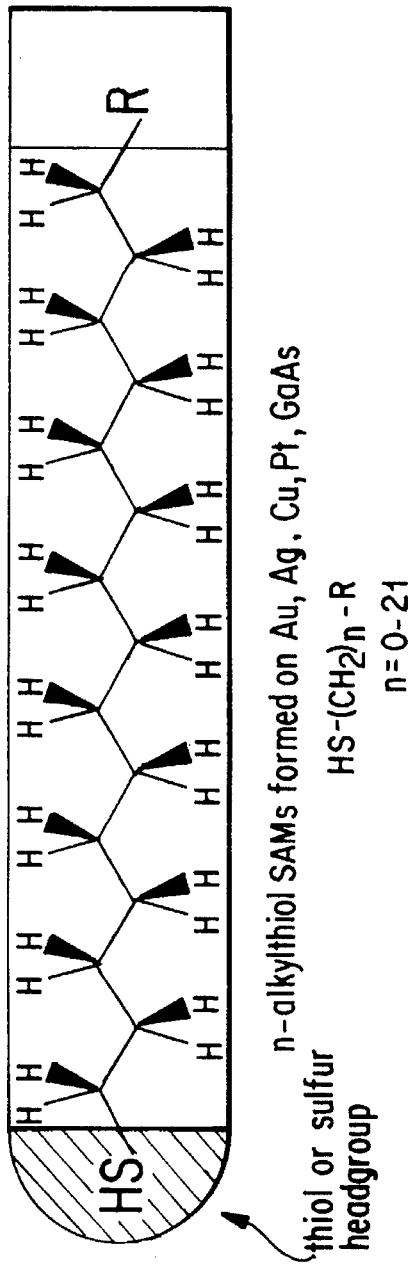
R
H
HS
n-alkylthiol SAMs formed on Au, Ag, Cu, Pt, GaAs
HS-(CH2)n-R
n=0-21
thiol or sulfur headgroup

FIG. 1

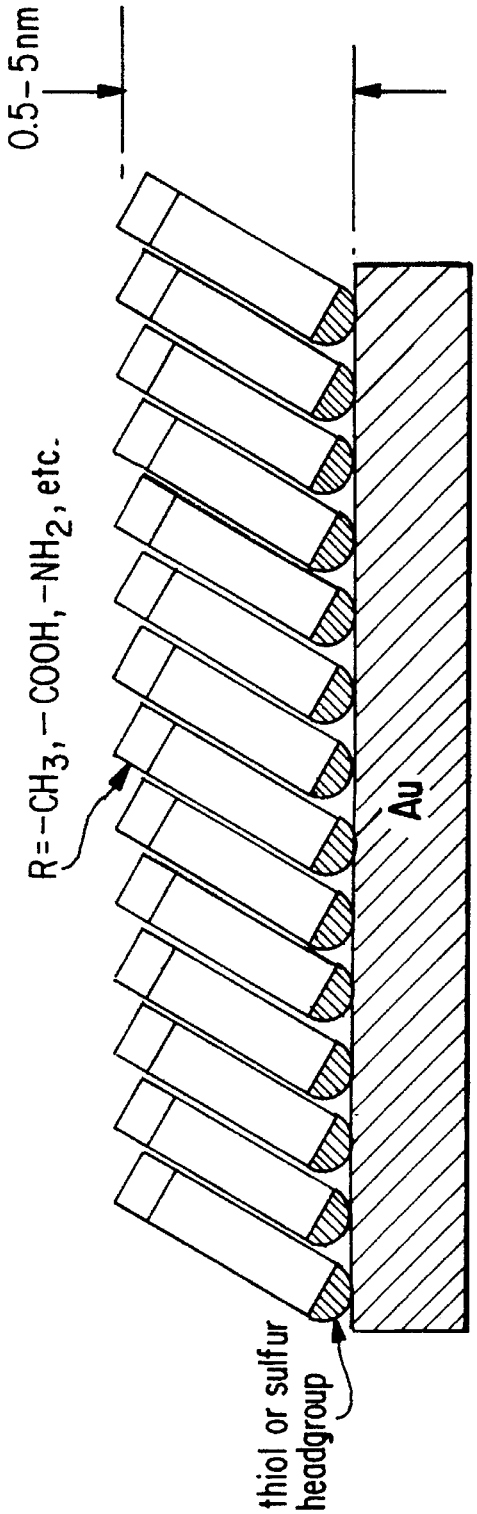
0.5-5nm
R=-CH3, -COOH, -NH2, etc.
Au
thiol or sulfur headgroup

FIG. 2