DEFECTIVENESS AFTER DETACHMENT - BOX OF 250 A
OXYGEN PLASMA ON THE DONOR

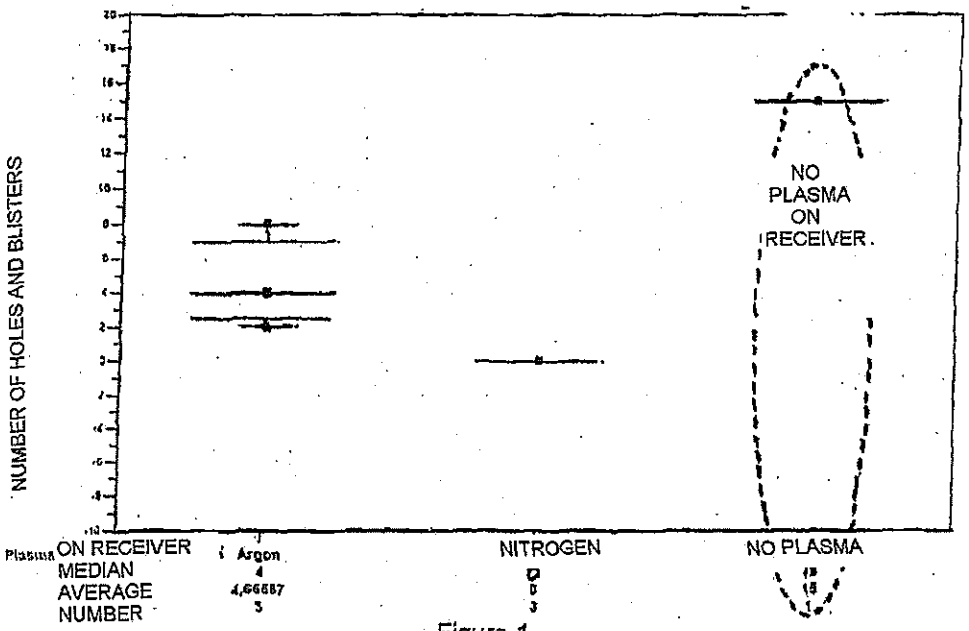


Figure 1

DEFECTIVENESS AFTER DETACHMENT - BOX OF 125 A
OXYGEN PLASMA ON THE DONOR

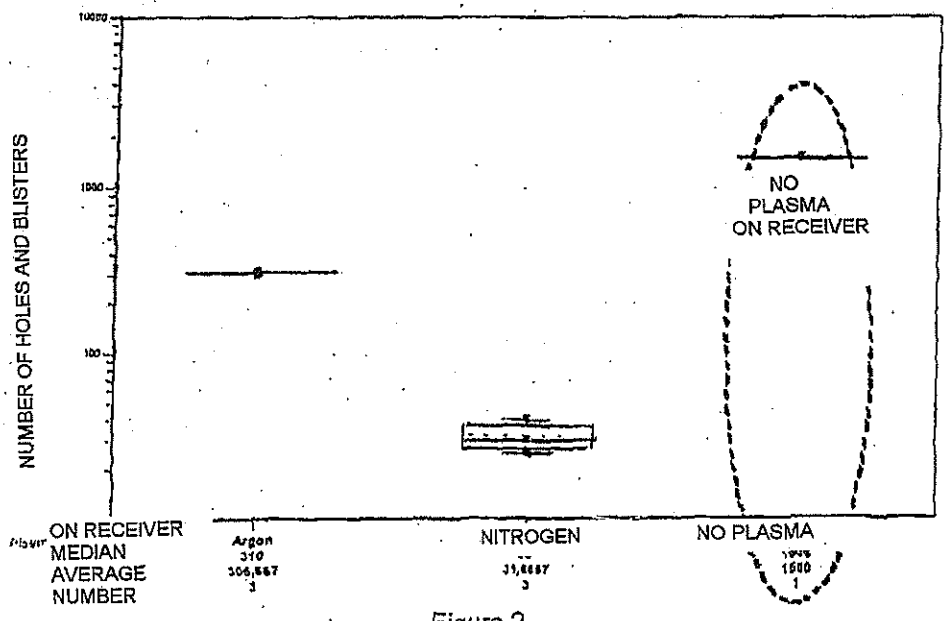


Figure 2

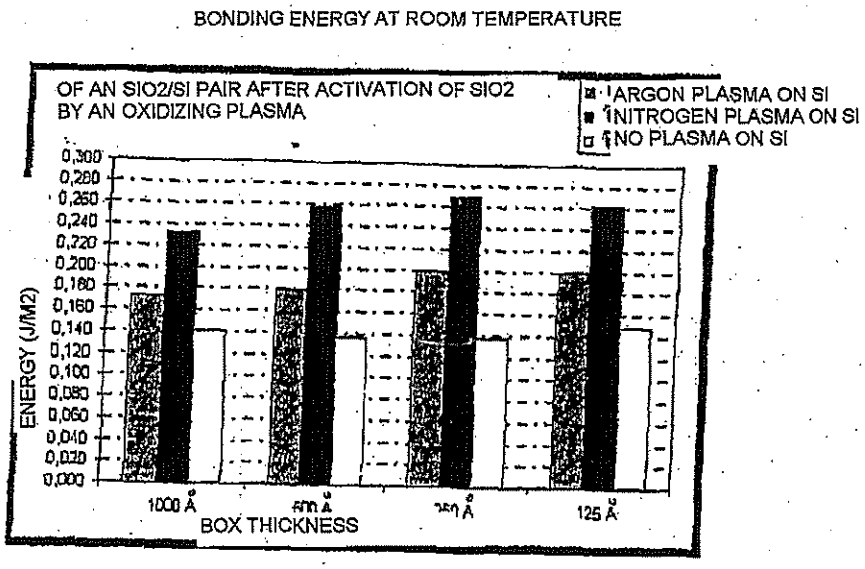

BONDING ENERGY AT ROOM TEMPERATURE
OF AN SIO2/SI PAIR AFTER ACTIVATION OF SIO2
BY AN OXIDIZING PLASMA
ARGON PLASMA ON SI
NITROGEN PLASMA ON SI
NO PLASMA ON SI
ENERGY (J/M2)
0,300
0,280
0,260
0,240
0,220
0,200
0,180
0,160
0,140
0,120
0,100
0,080
0,060
0,040
0,020
0,000
1000 Å
125 Å
BOX THICKNESS

Figure 3

DEFECTIVENESS AFTER DETACHMENT - BOX OF 250 A
DIFFERENT PLASMAS ON THE OXIDIZED SURFACE OF THE DONOR SUBSTRATE

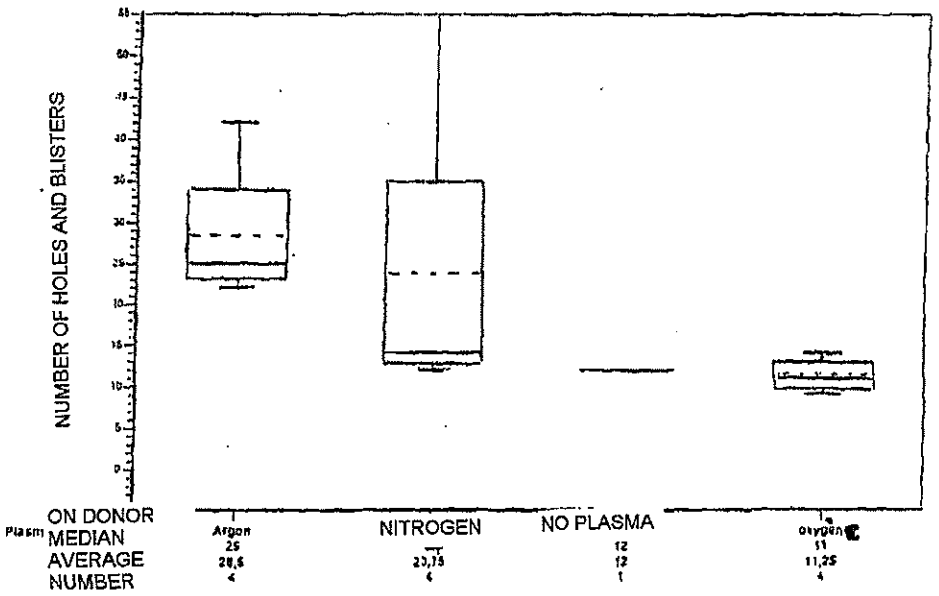


Figure 4