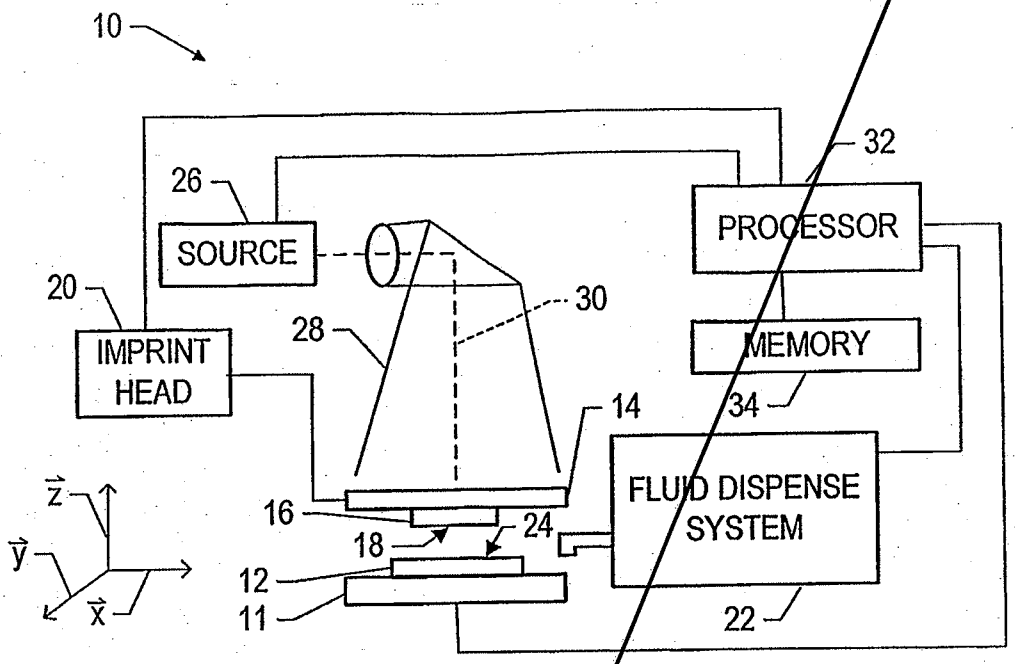


FIG. 1
(Prior Art)

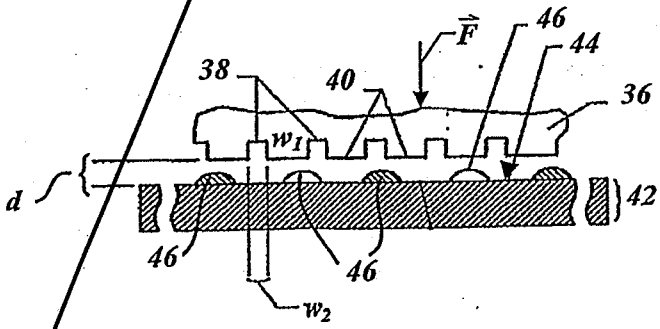


FIG. 2

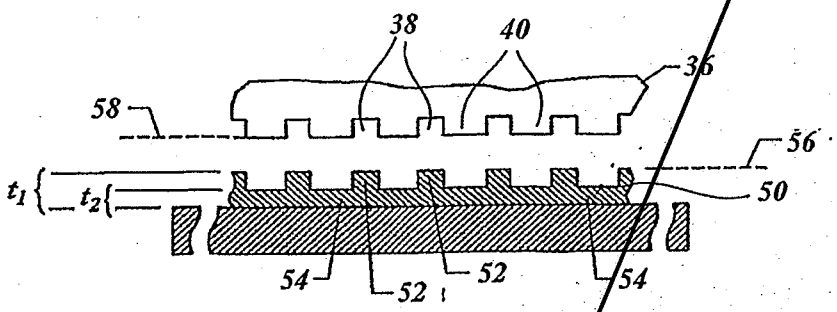


FIG. 3

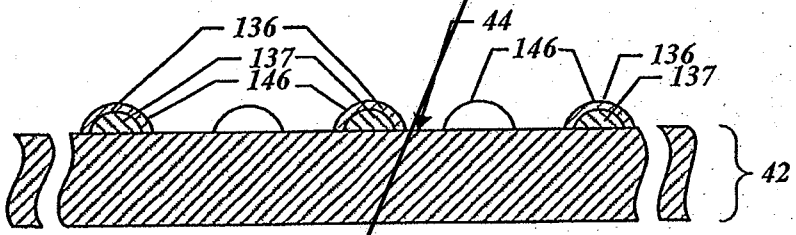


FIG. 4

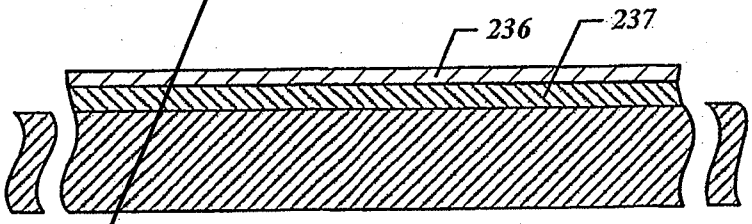


FIG. 5

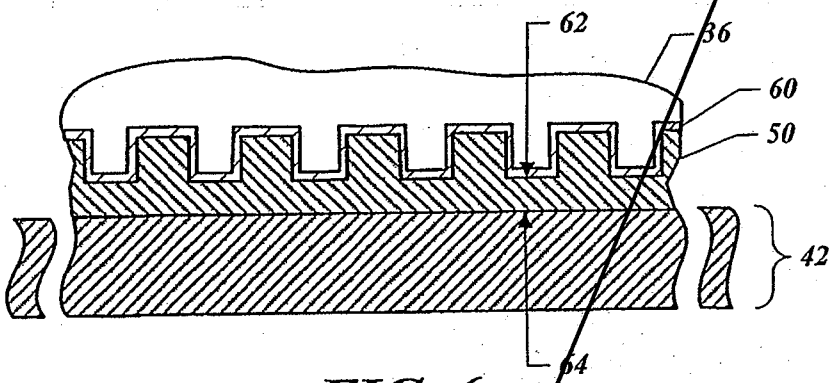


FIG. 6

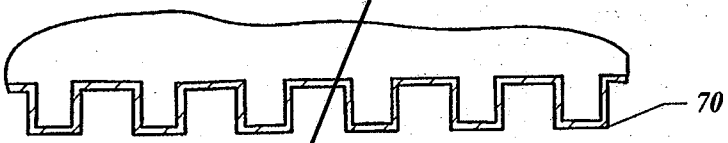


FIG. 7

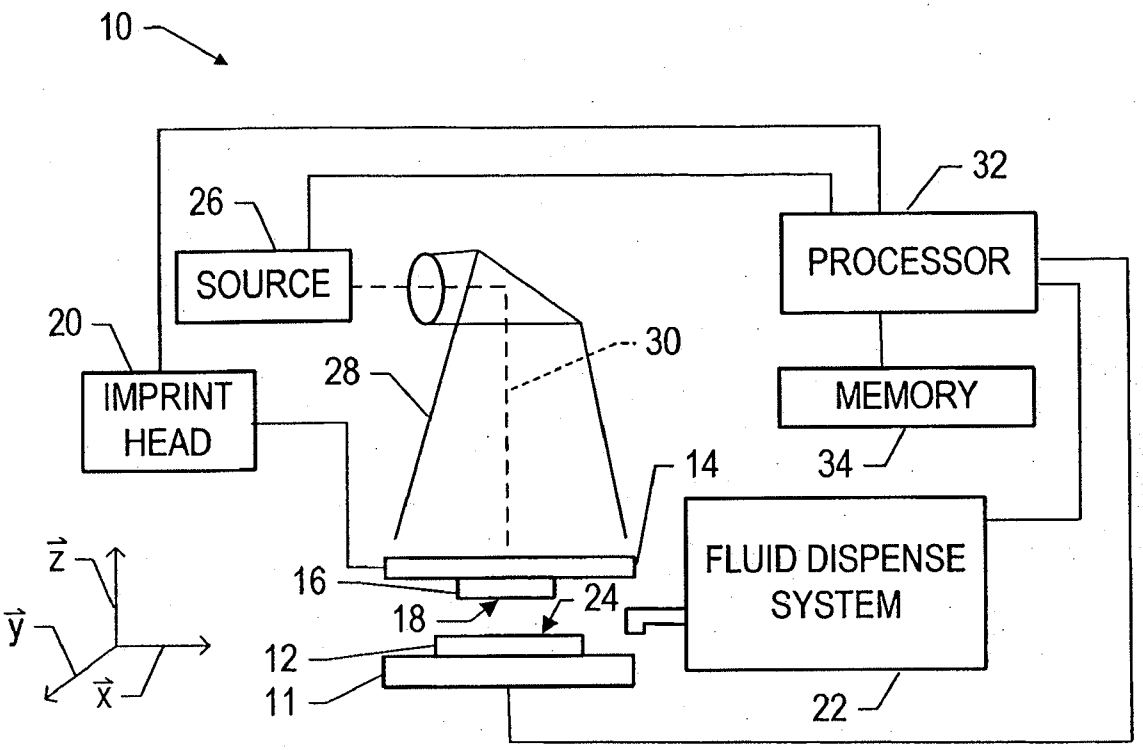


FIG. 1
(Prior Art)

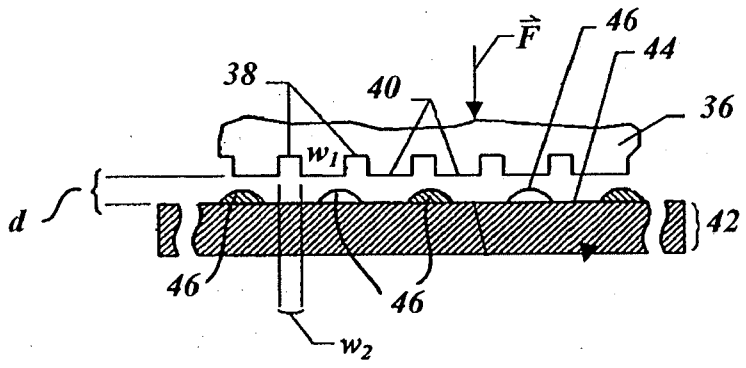


FIG. 2

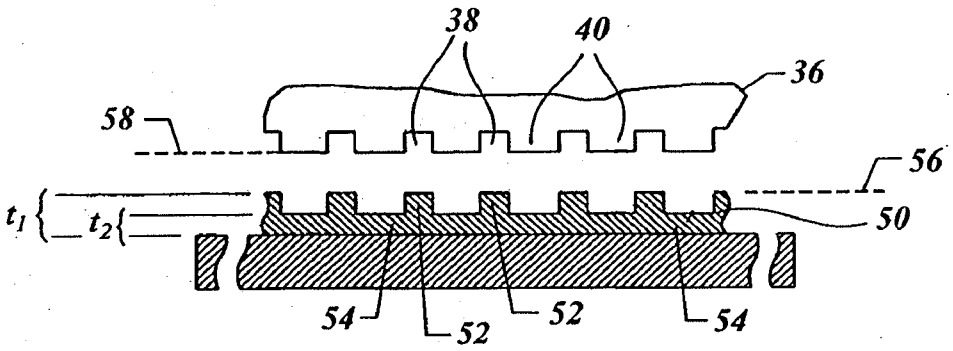


FIG. 3

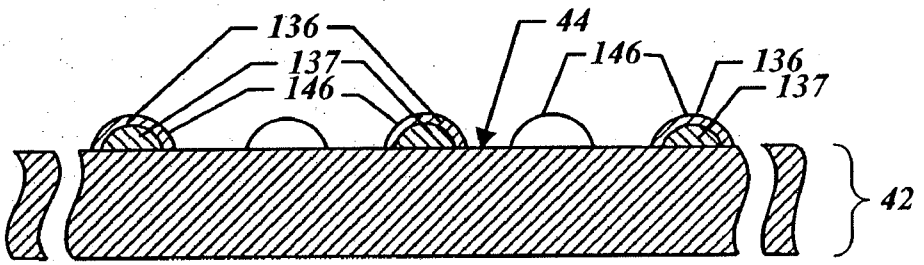


FIG. 4

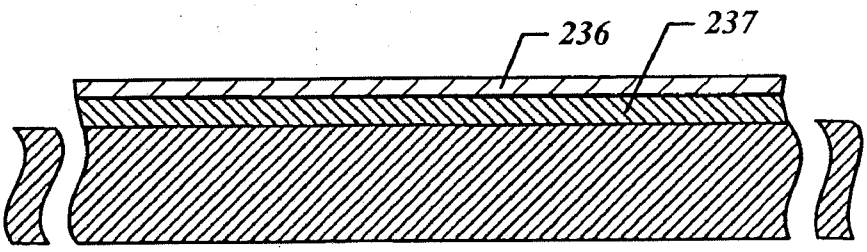


FIG. 5

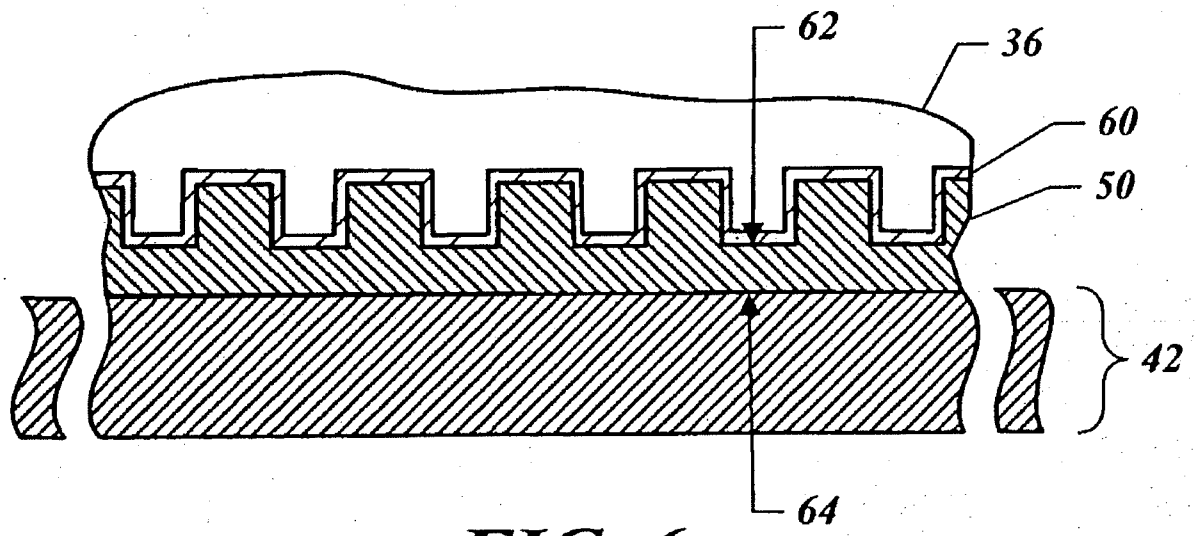


FIG. 6

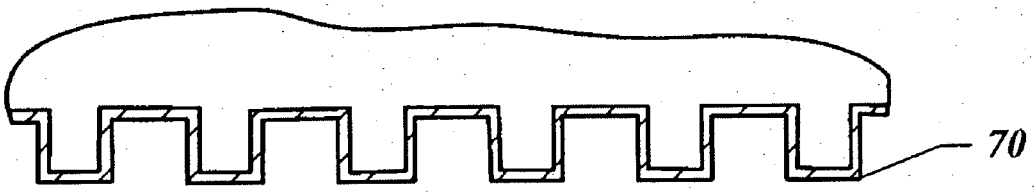


FIG. 7

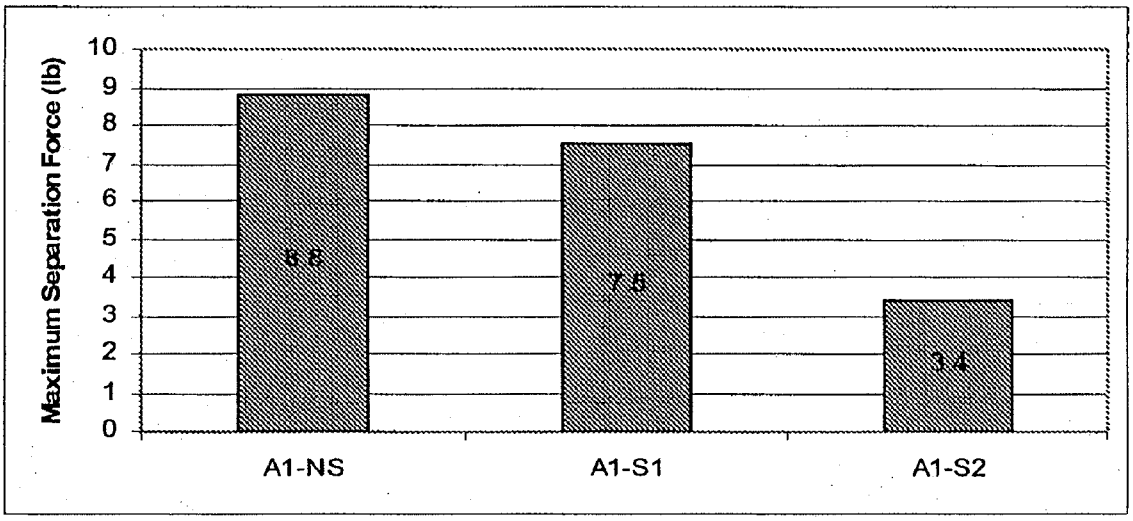

Maximum Separation Force (lb)
10
9
8
7
6
5
4
3
2
1
0
8.8
7.5
3.4
A1-NS
A1-S1
A1-S2

FIG. 8

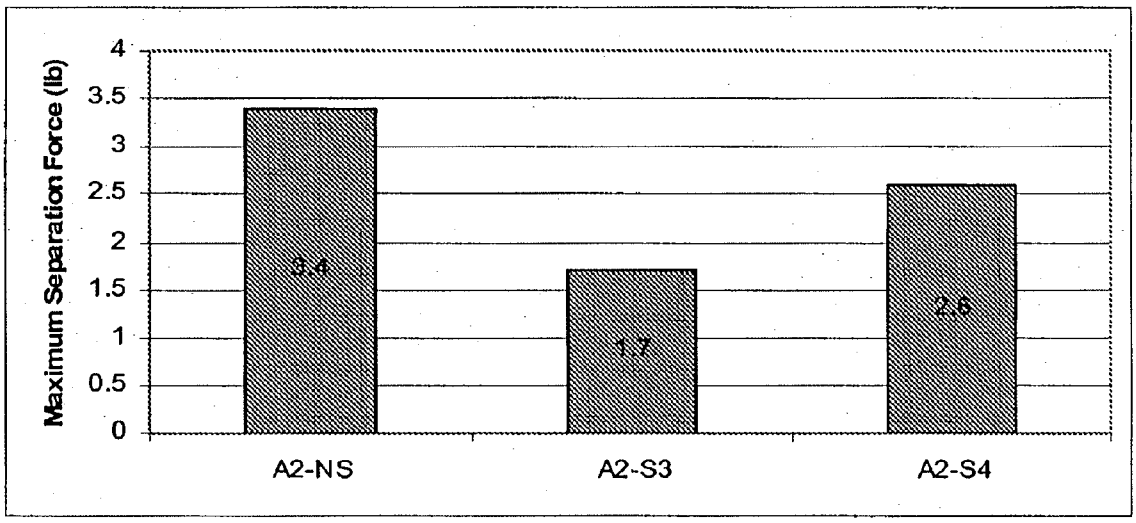

Maximum Separation Force (lb)
4
3.5
3
2.5
2
1.5
1
0.5
0
3.4
1.7
2.6
A2-NS
A2-S3
A2-S4

FIG. 9

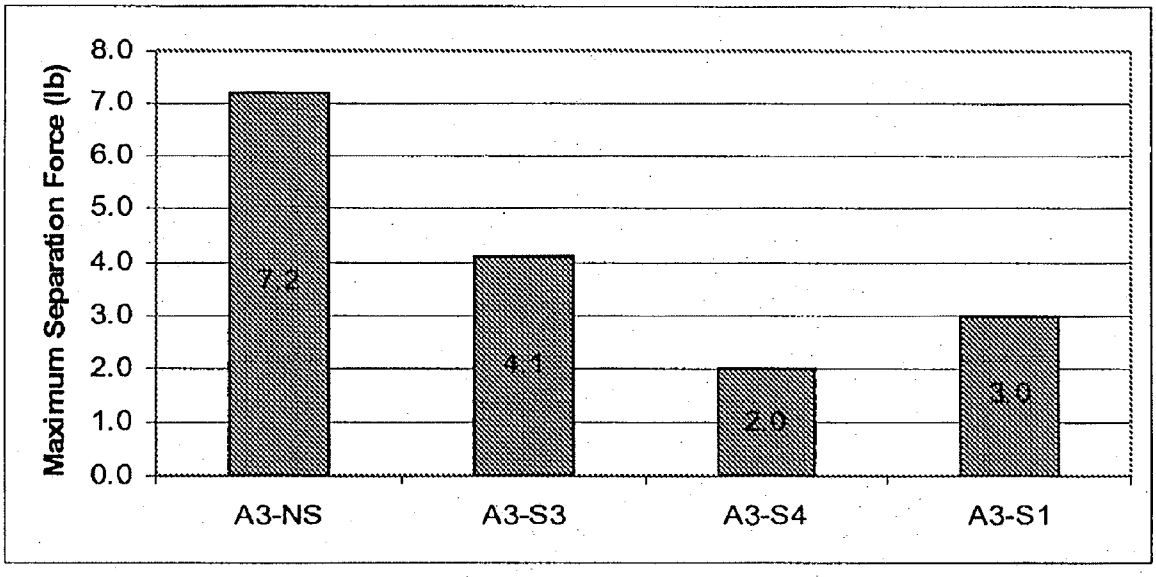

Maximum Separation Force (lb)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
7.2
4.1
2.0
3.0
A3-NS
A3-S3
A3-S4
A3-S1

FIG. 10

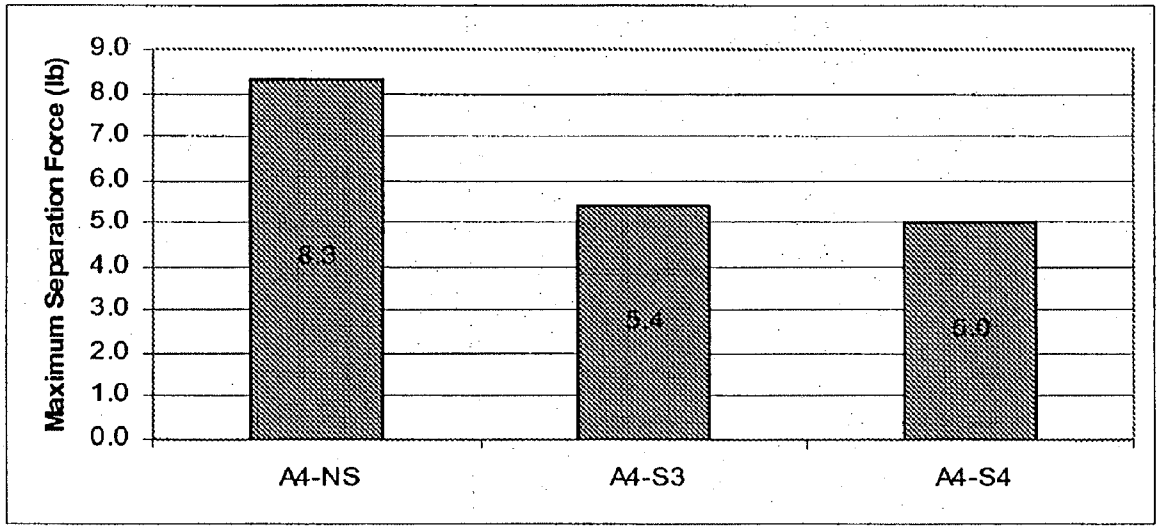

Maximum Separation Force (lb)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
8.3
5.4
5.0
A4-NS
A4-S3
A4-S4

FIG. 11

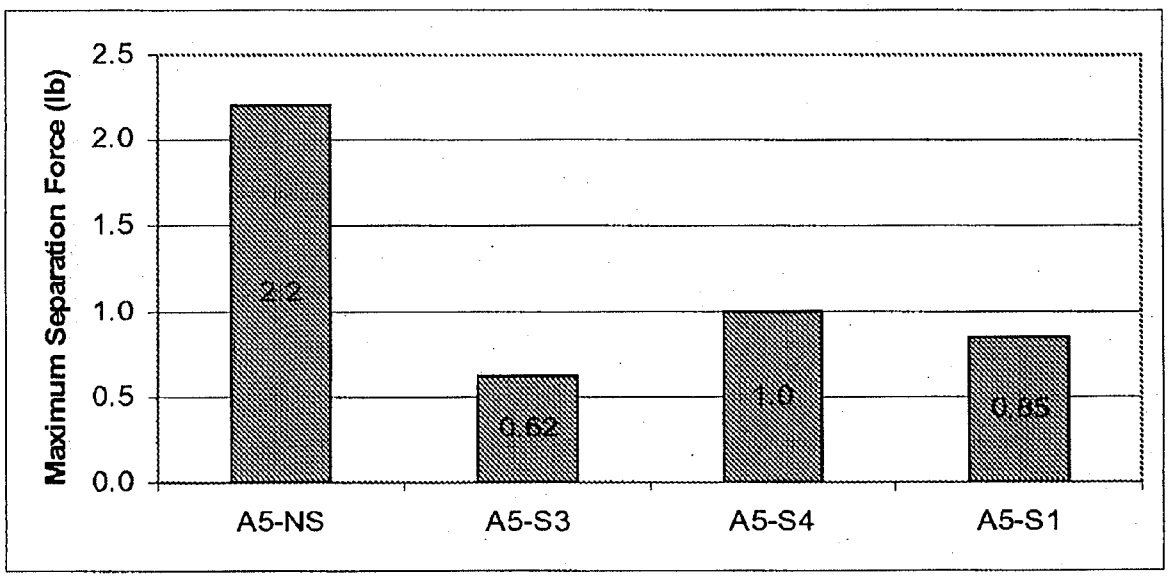

Maximum Separation Force (lb)
2.5
2.0
1.5
1.0
0.5
0.0
2.2
0.62
1.0
0.85
A5-NS
A5-S3
A5-S4
A5-S1

FIG. 12

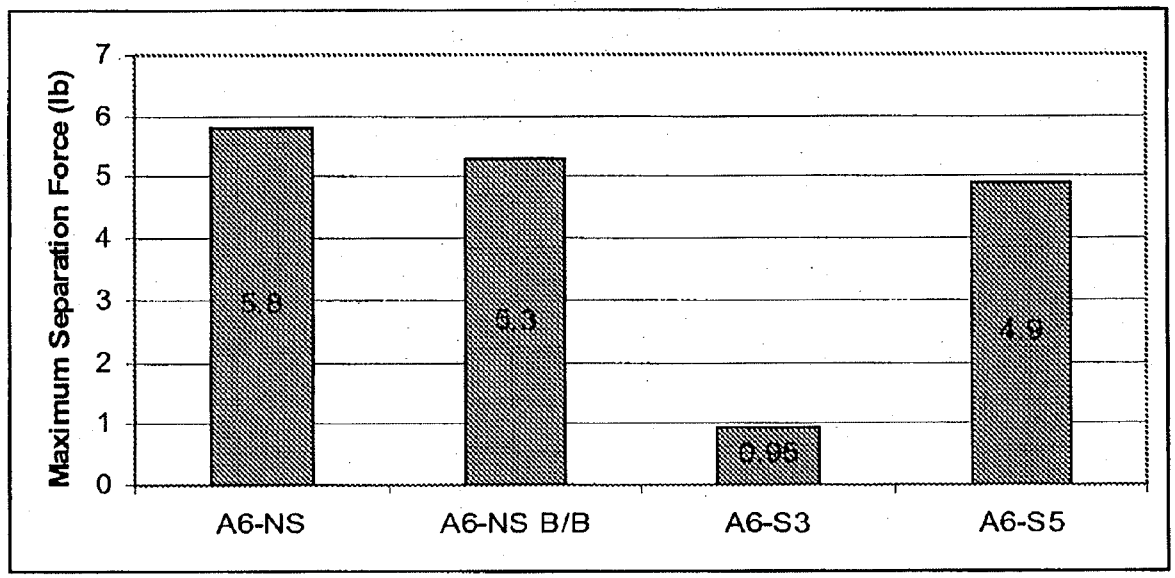

Maximum Separation Force (lb)
7
6
5
4
3
2
1
0
5.8
5.3
0.96
4.9
A6-NS
A6-NS B/B
A6-S3
A6-S5

FIG. 13

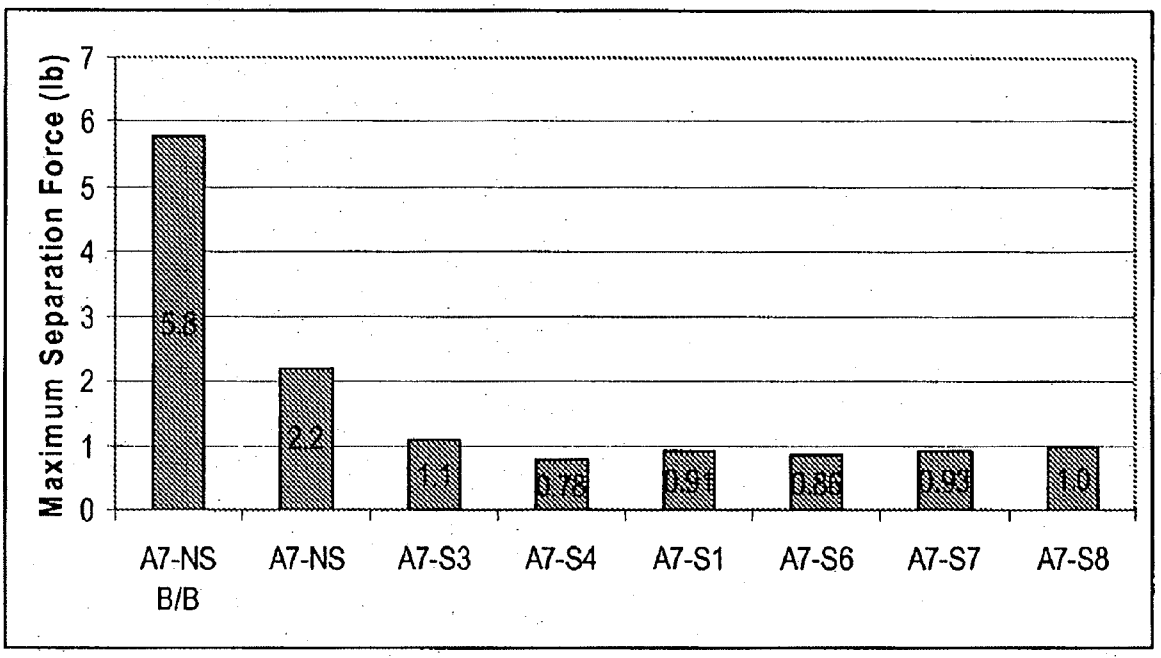

Maximum Separation Force (lb)
0
1
2
3
4
5
6
7
5.8
2.2
1.1
0.78
0.91
0.86
0.93
1.0
A7-NS B/B
A7-NS
A7-S3
A7-S4
A7-S1
A7-S6
A7-S7
A7-S8

FIG. 14