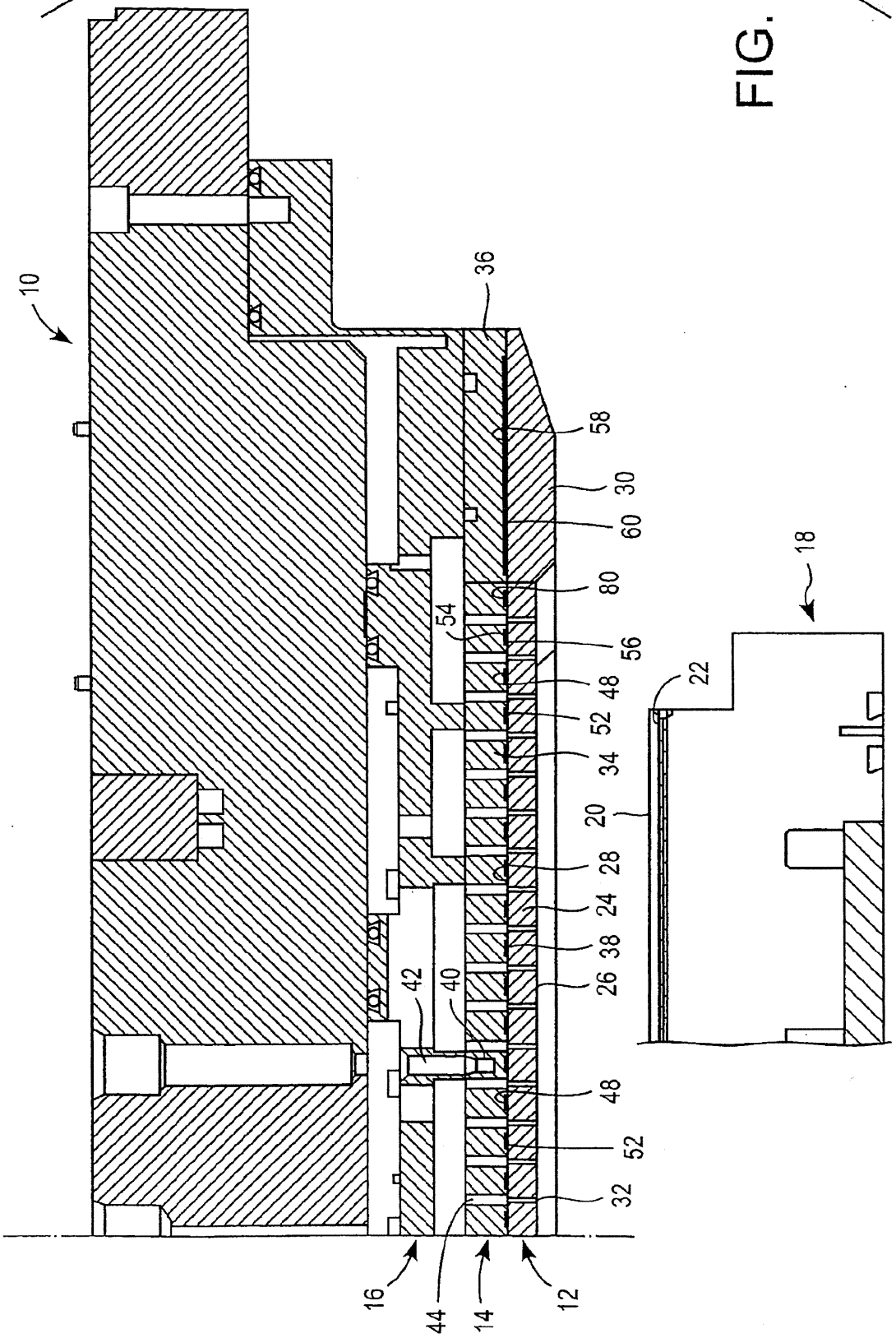

10
36
58
30
60
80
54
56
48
52
34
20
28
24
38
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42
40
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52
32
16
44
14
12
18
22

FIG. 1

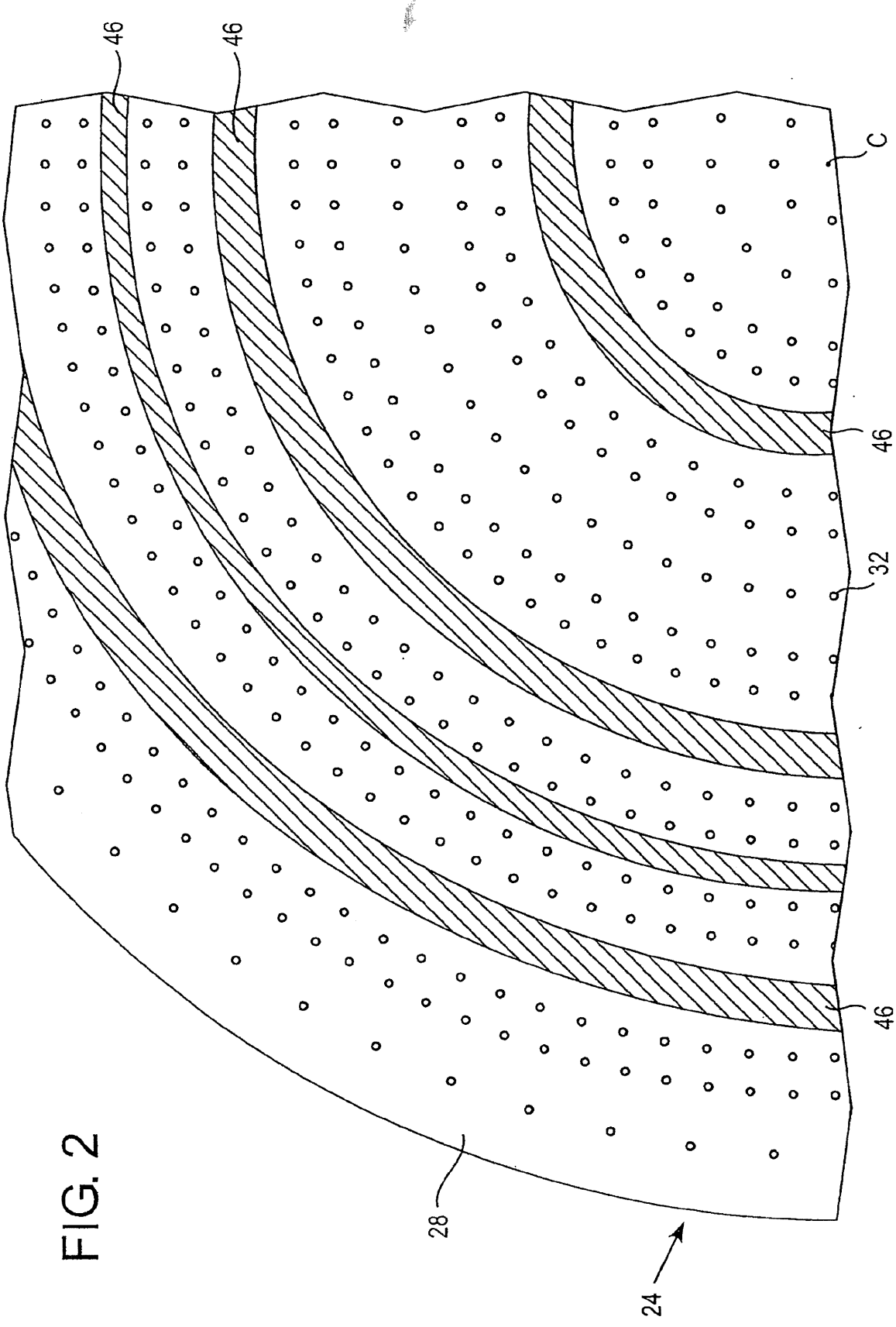


FIG. 2

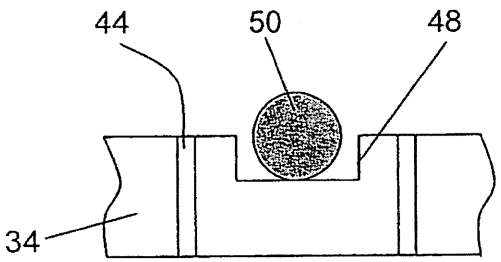


FIG. 3A

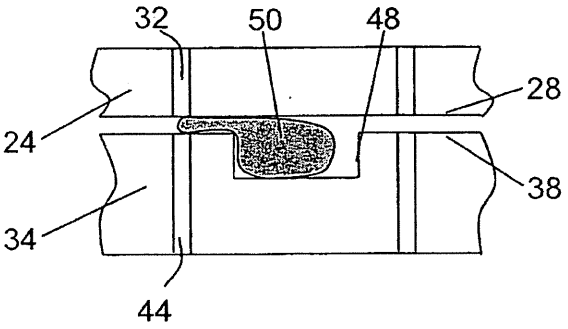


FIG. 3B

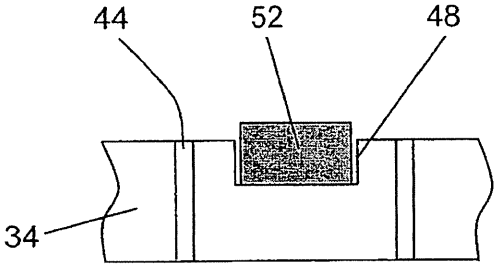


FIG. 4A

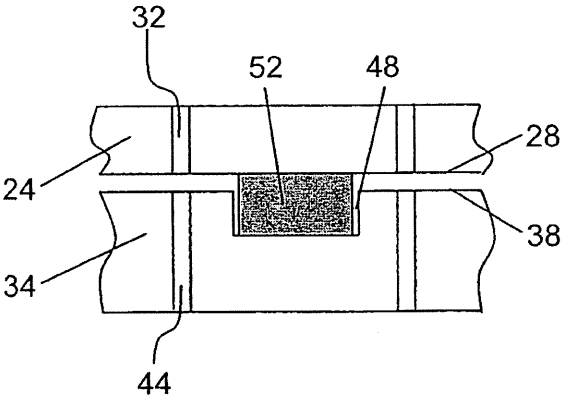


FIG. 4B

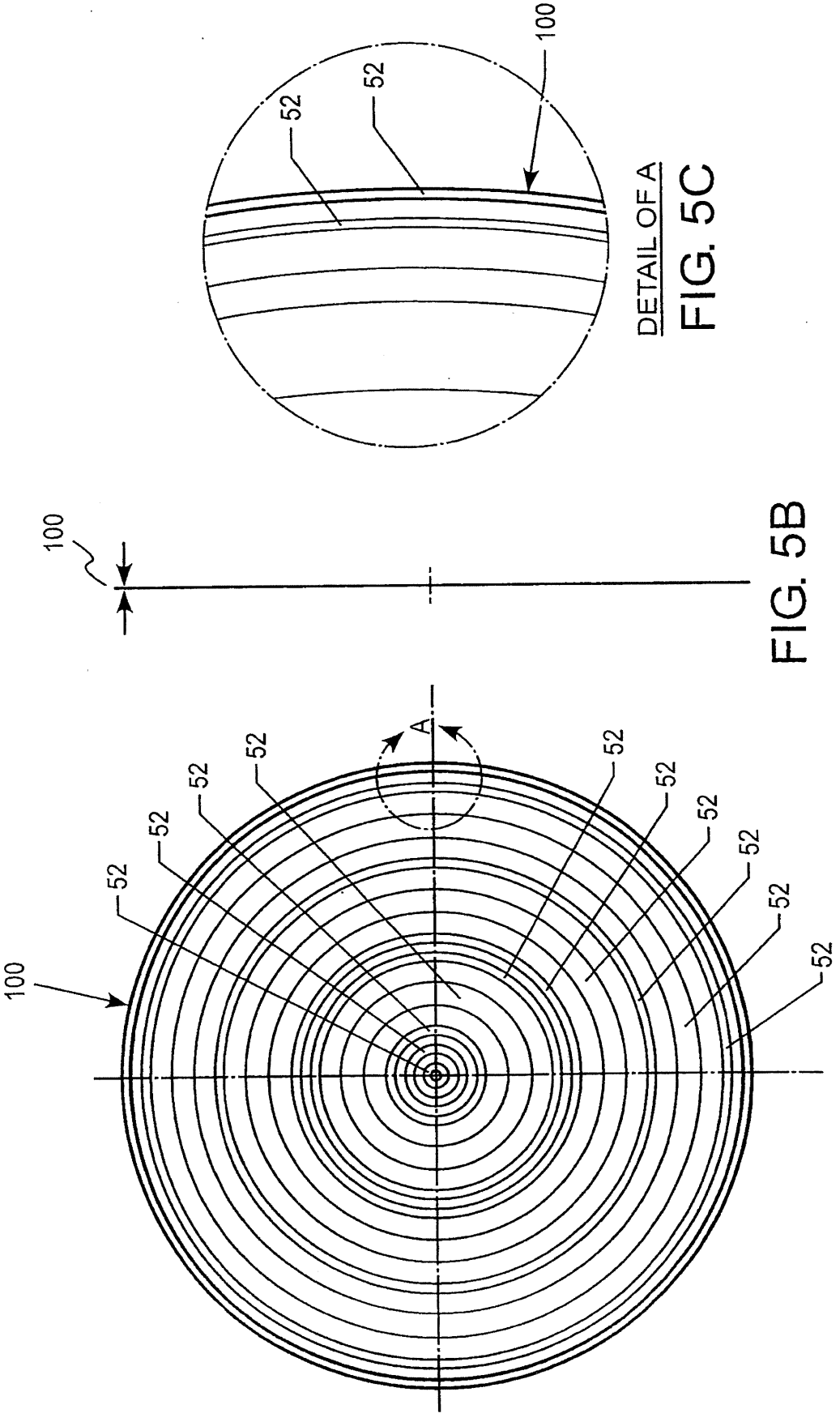
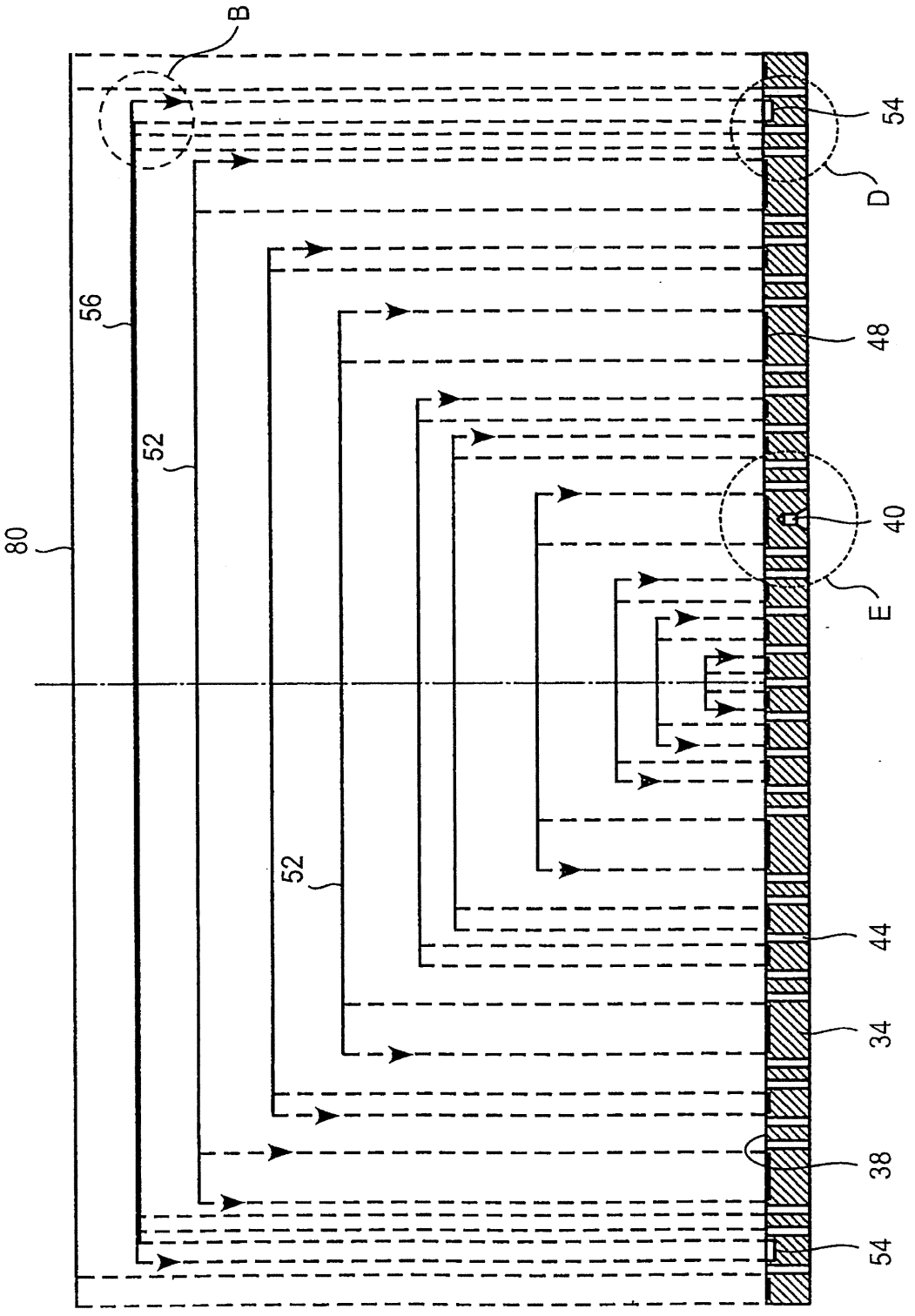


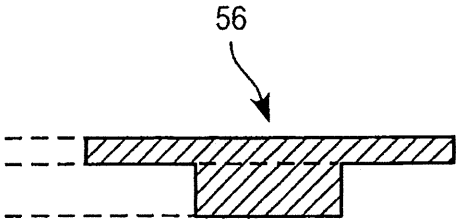
FIG. 5A

FIG. 5B

FIG. 5C

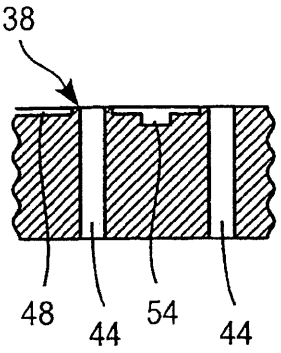
FIG. 6





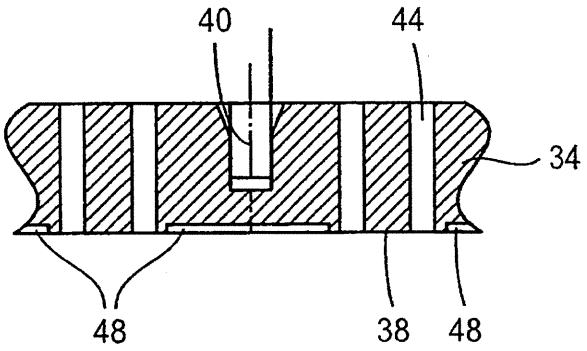
DETAIL OF B

FIG. 7



DETAIL OF D

FIG. 8



DETAIL OF E

FIG. 9

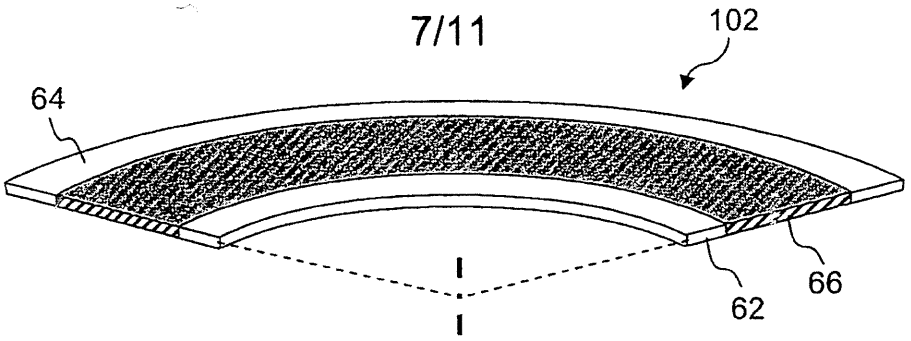


FIG. 10

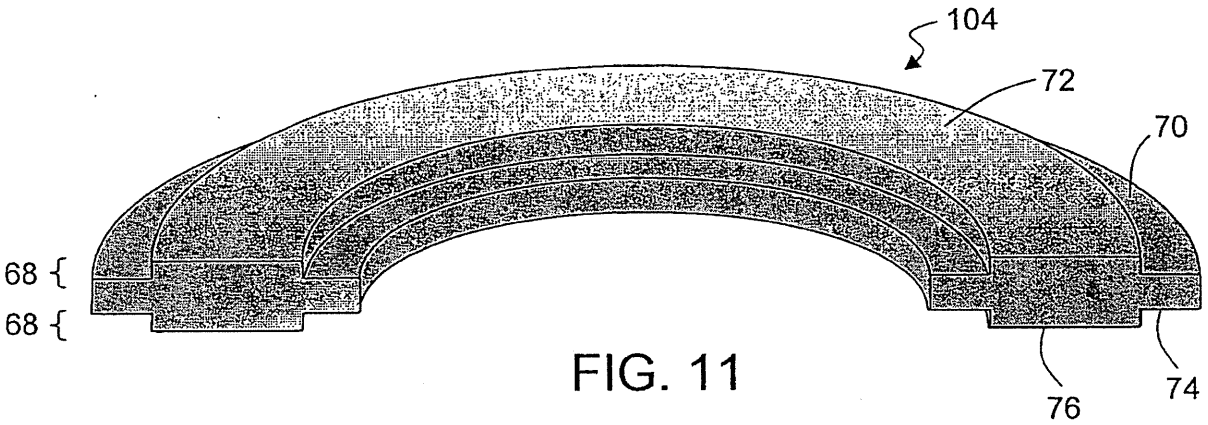


FIG. 11

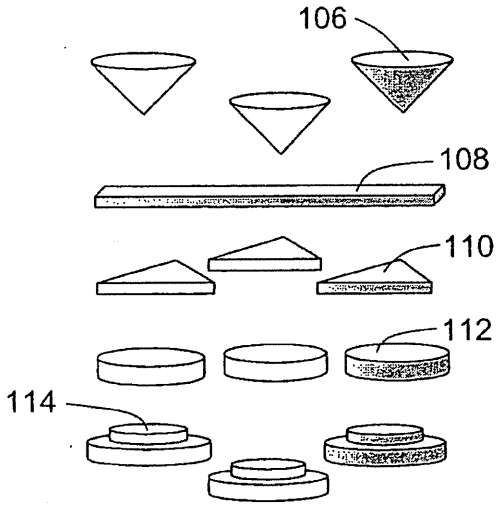


FIG. 12

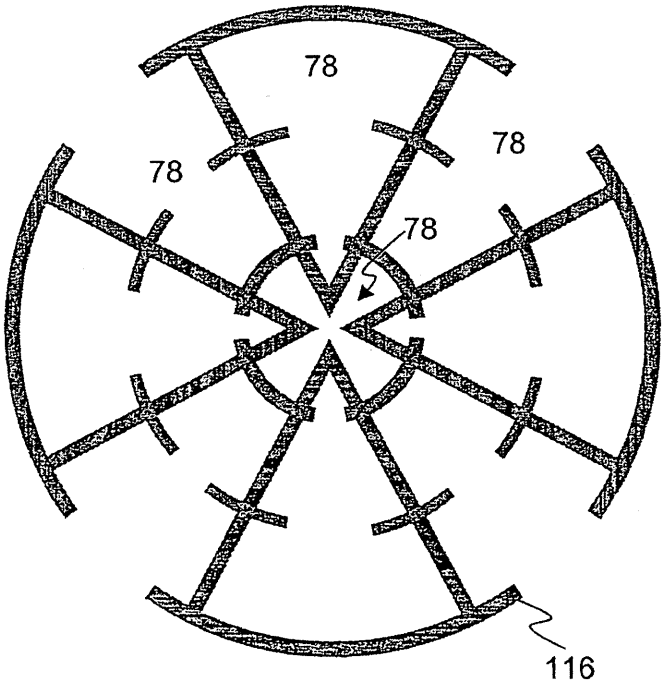


FIG. 13

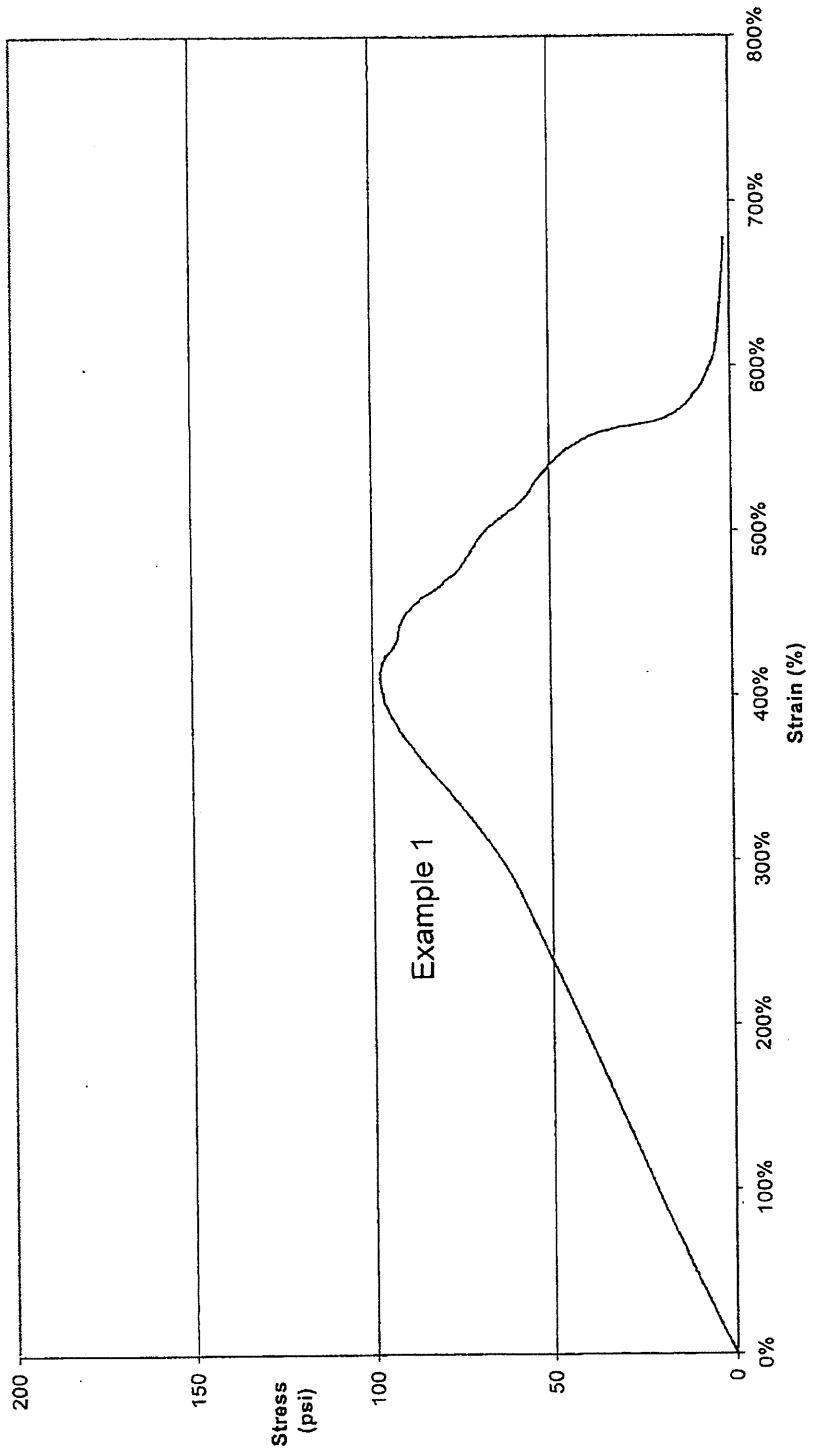

Example 1
Stress (psi)
200
150
100
50
0
0%
100%
200%
300%
400%
500%
600%
700%
800%
Strain (%)

FIG. 14

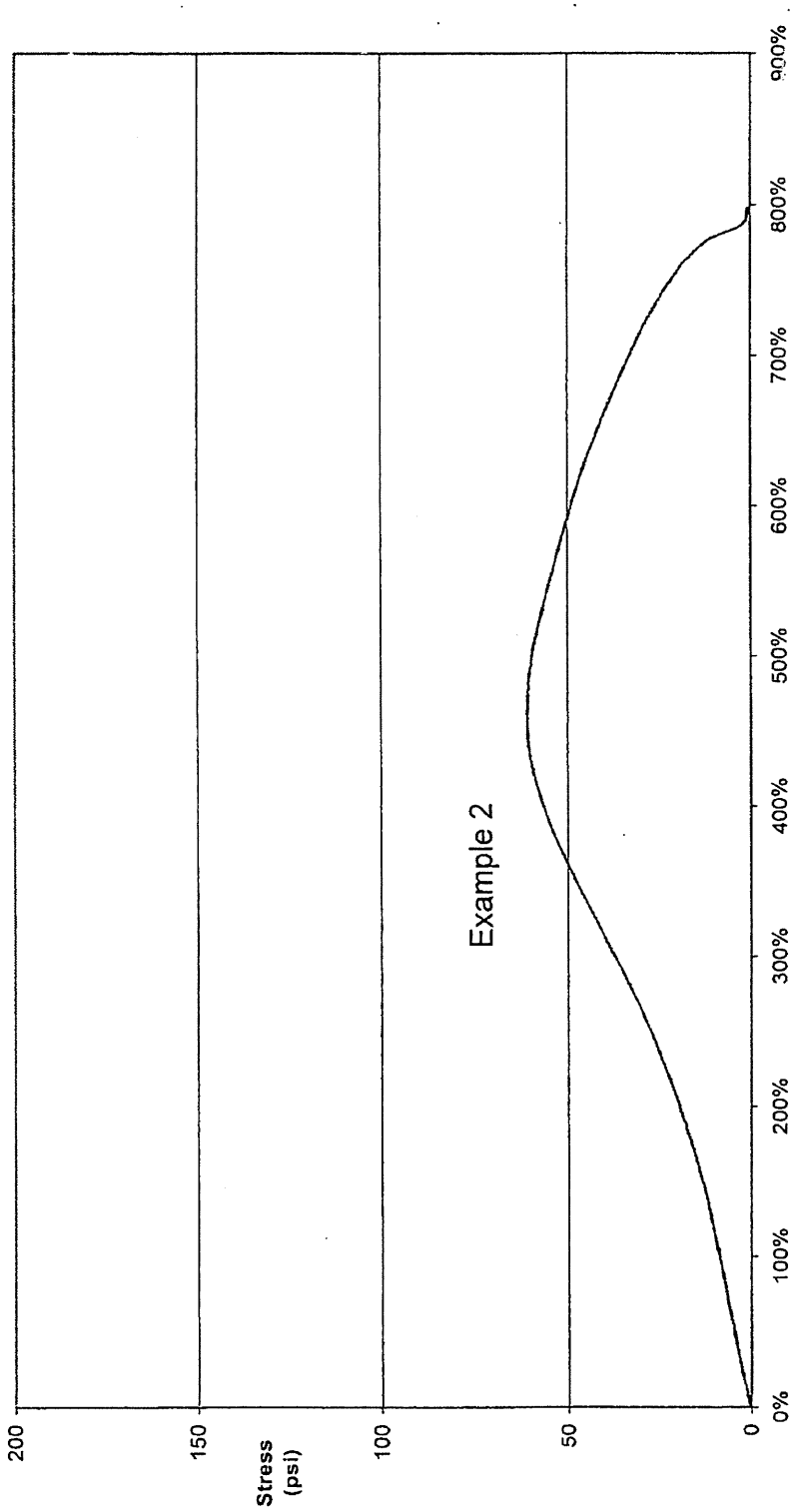

Example 2
Stress (psi)
200
150
100
50
0
0%
100%
200%
300%
400%
500%
600%
700%
800%
900%
Strain (%)

FIG. 15

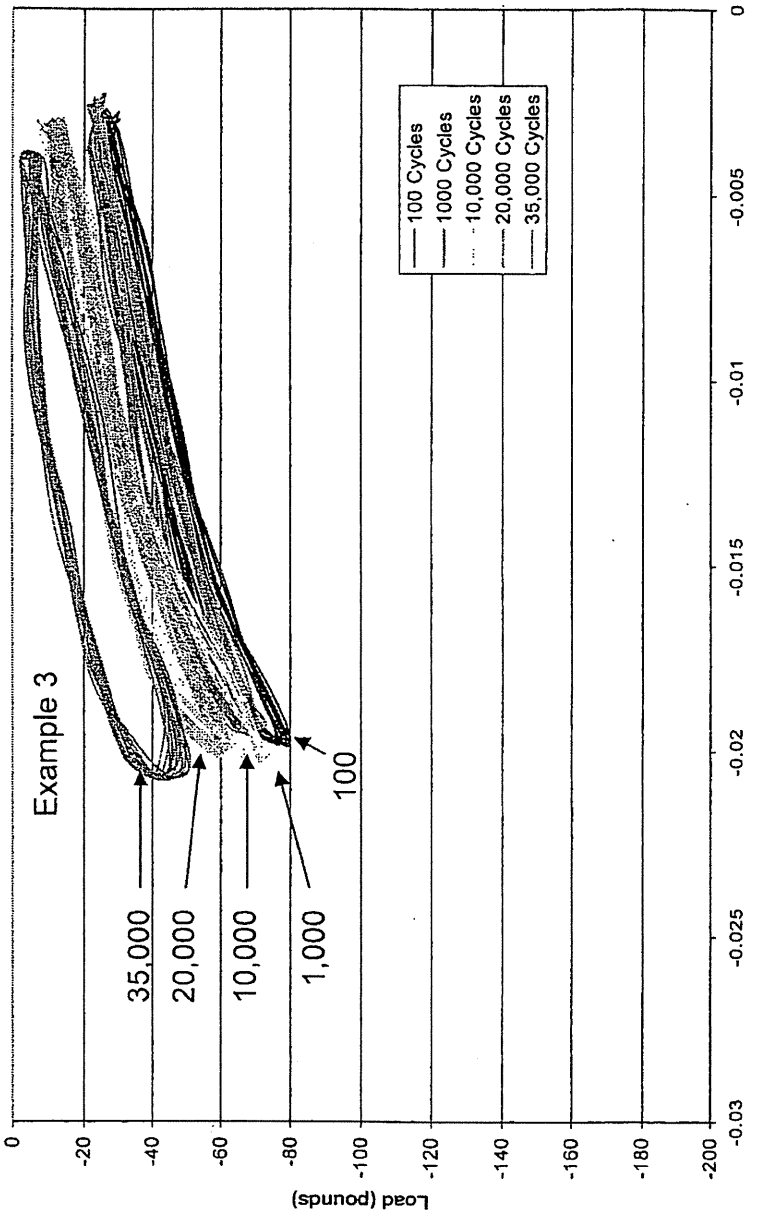

Example 3
100 Cycles
1000 Cycles
10,000 Cycles
20,000 Cycles
35,000 Cycles
35,000
20,000
10,000
1,000
100
Load (pounds)
0
-20
-40
-60
-80
-100
-120
-140
-160
-180
-200
-0.03
-0.025
-0.02
-0.015
-0.01
-0.005
0
Deflection (Inches)

FIG. 16

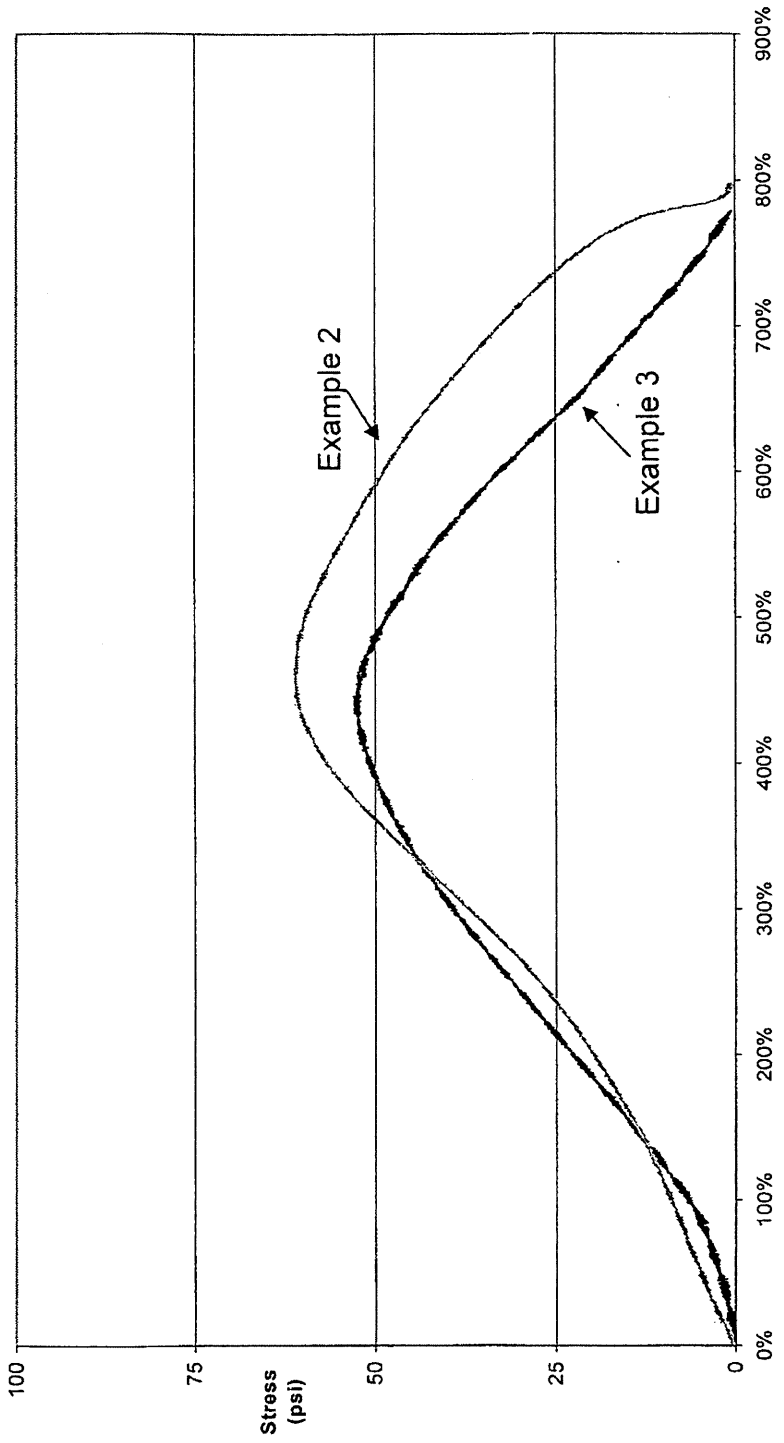

Example 2
Example 3
Stress (psi)
Strain (%)
100
75
50
25
0
0%
100%
200%
300%
400%
500%
600%
700%
800%
900%

FIG. 17