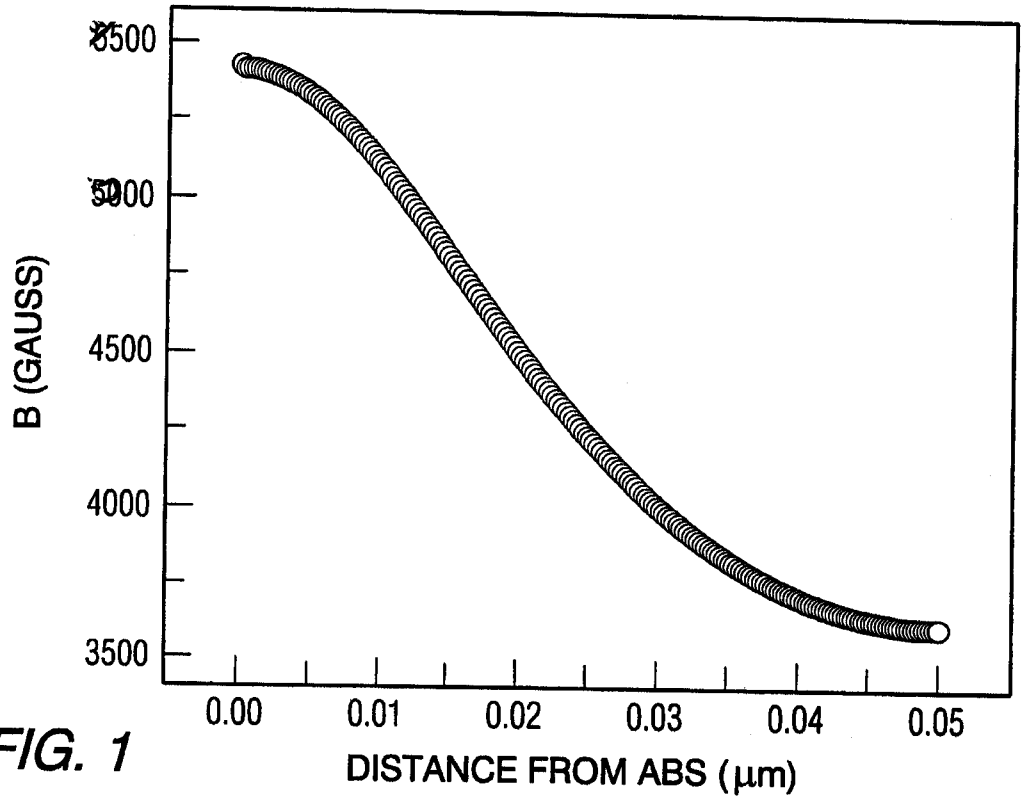
B (GAUSS)
5500
5000
4500
4000
3500
0.00
0.01
0.02
0.03
0.04
0.05
DISTANCE FROM ABS (μm)

FIG. 1

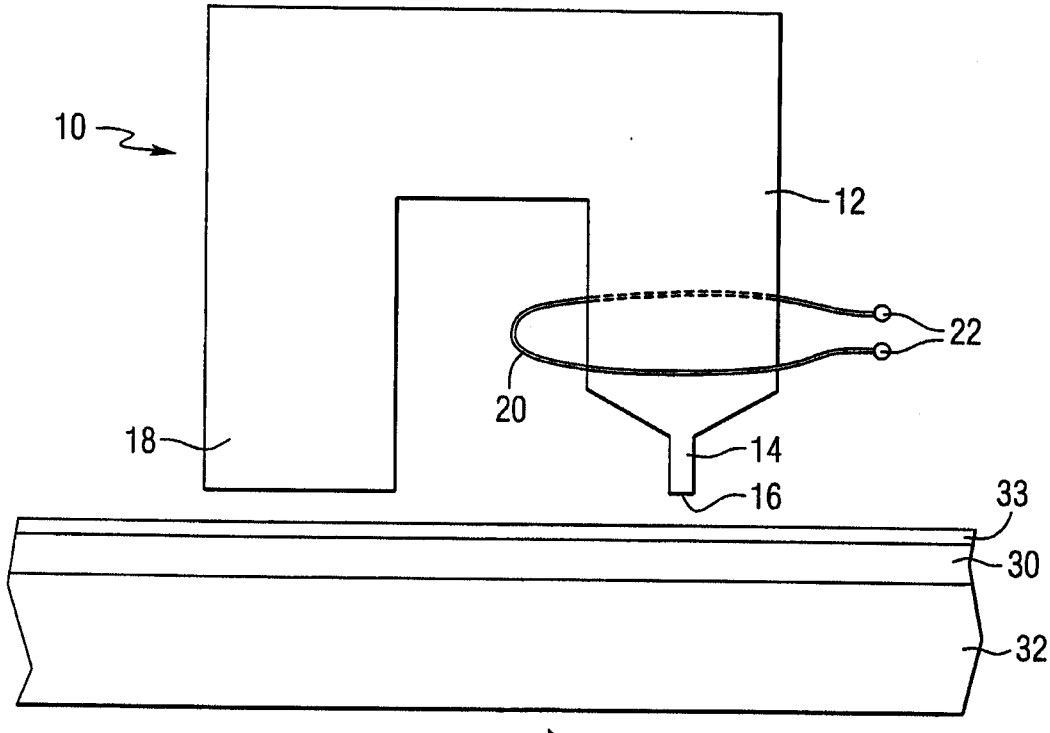
10
12
22
20
18
14
16
33
30
32

FIG. 2

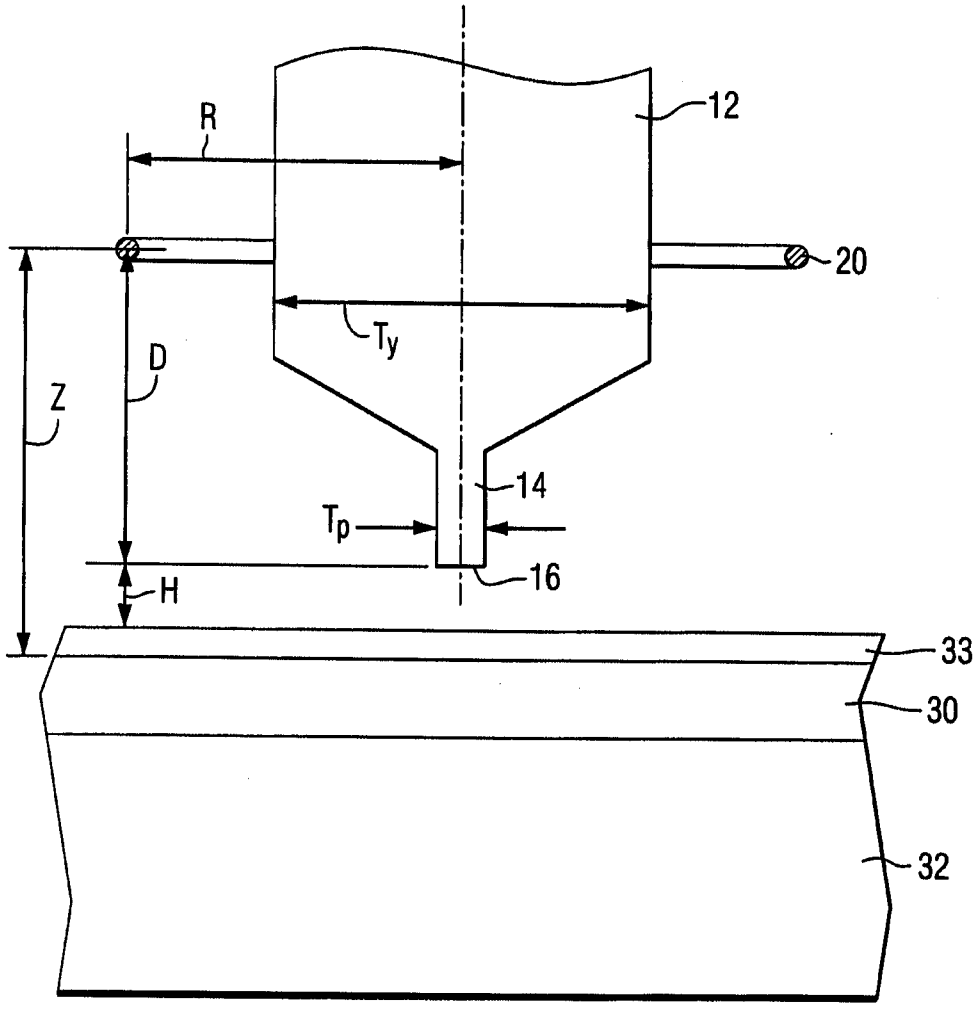

FIG. 3

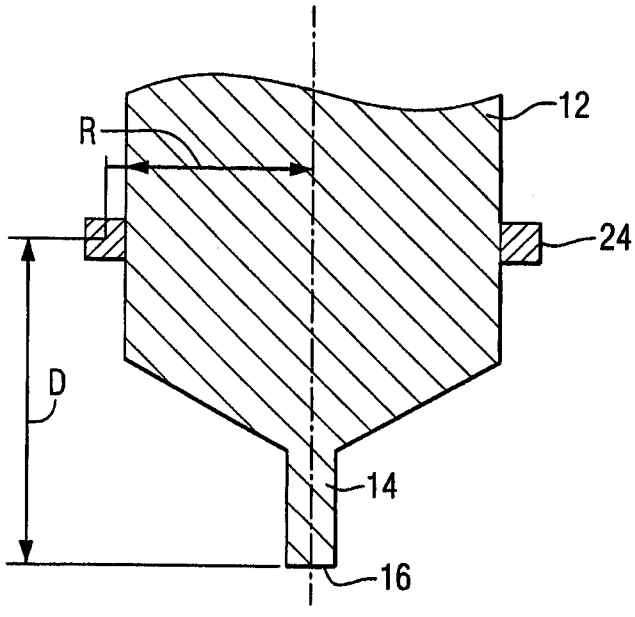

FIG. 4

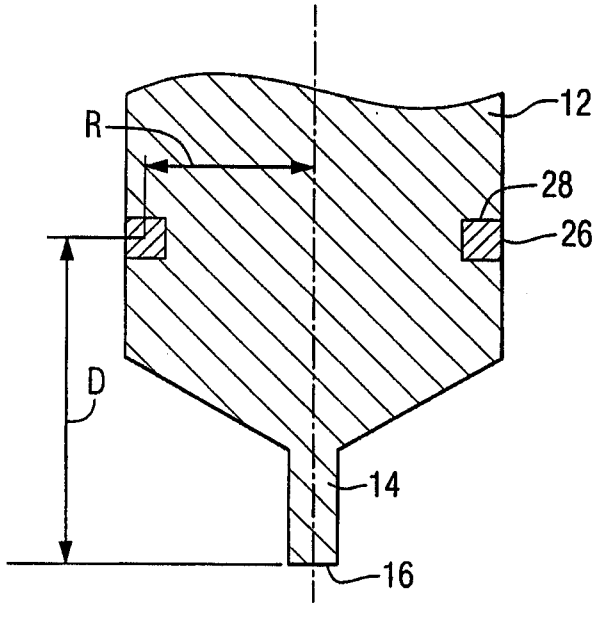

FIG. 5

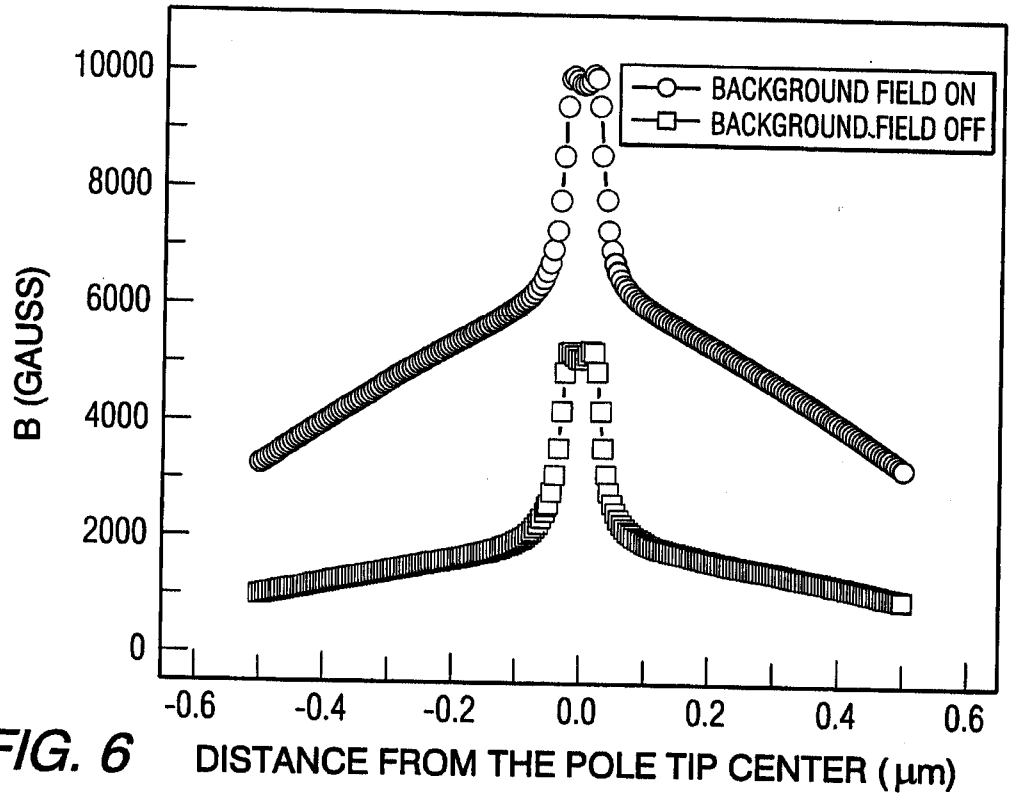
10000
8000
6000
4000
2000
0
B (GAUSS)
BACKGROUND FIELD ON
BACKGROUND FIELD OFF
-0.6
-0.4
-0.2
0.0
0.2
0.4
0.6
DISTANCE FROM THE POLE TIP CENTER (μm)

FIG. 6

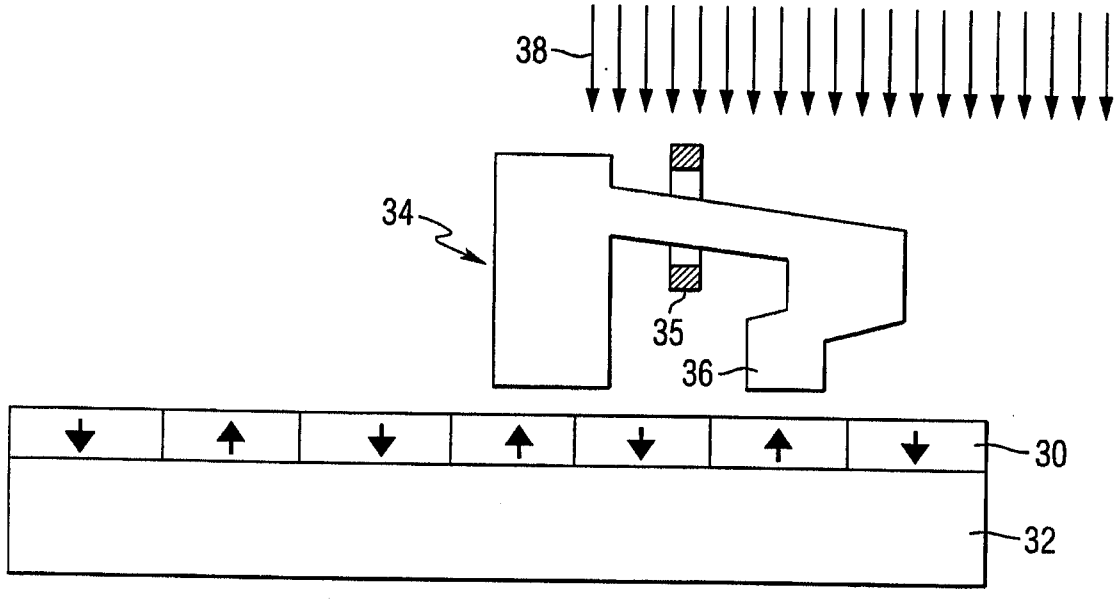
38
34
35
36
30
32

FIG. 7

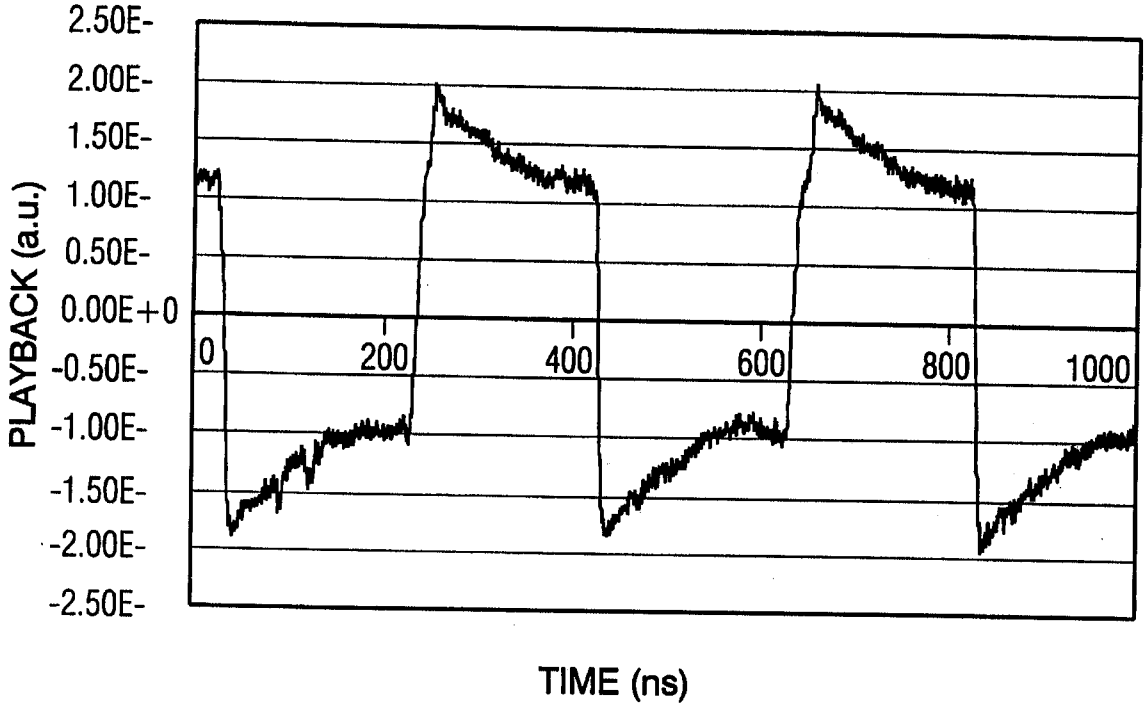
2.50E-
2.00E-
1.50E-
1.00E-
0.50E-
0.00E+0
-0.50E-
-1.00E-
-1.50E-
-2.00E-
-2.50E-
PLAYBACK (a.u.)
0
200
400
600
800
1000
TIME (ns)

FIG. 8