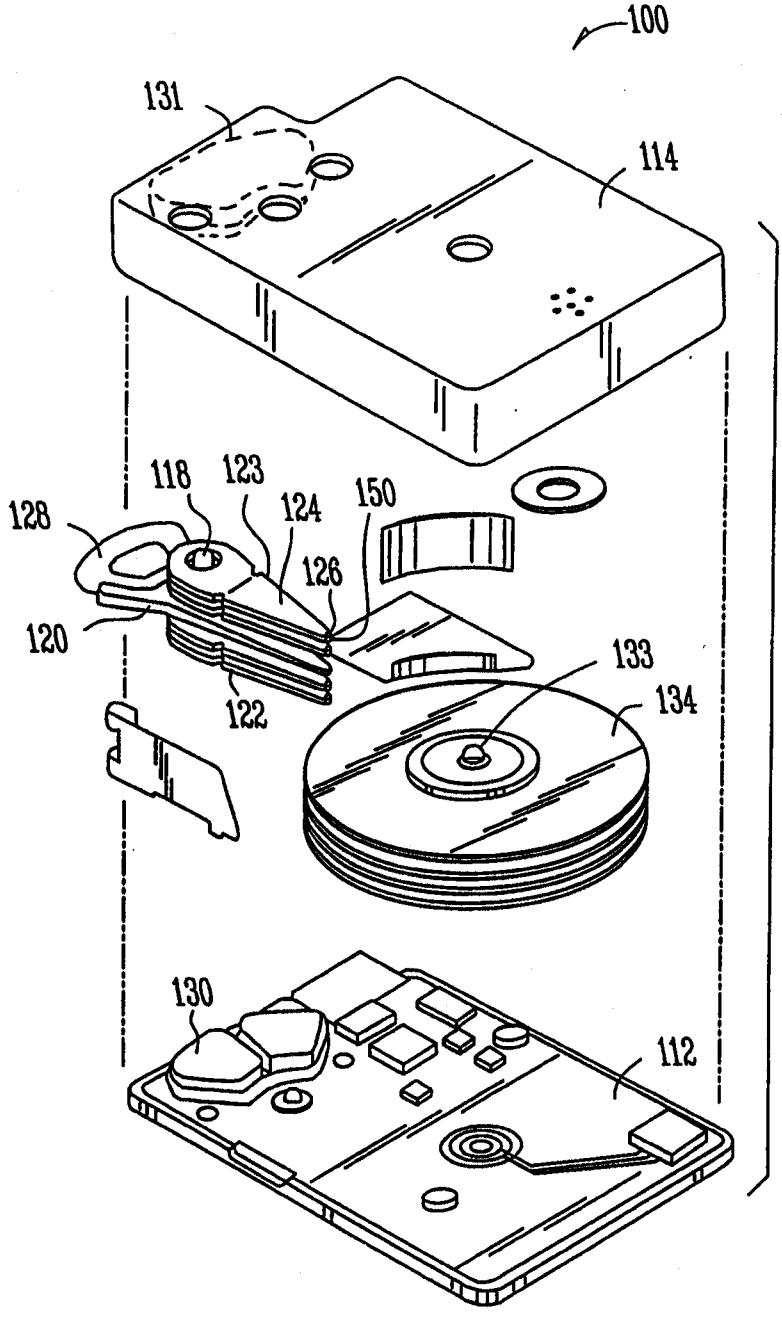


Fig. 1

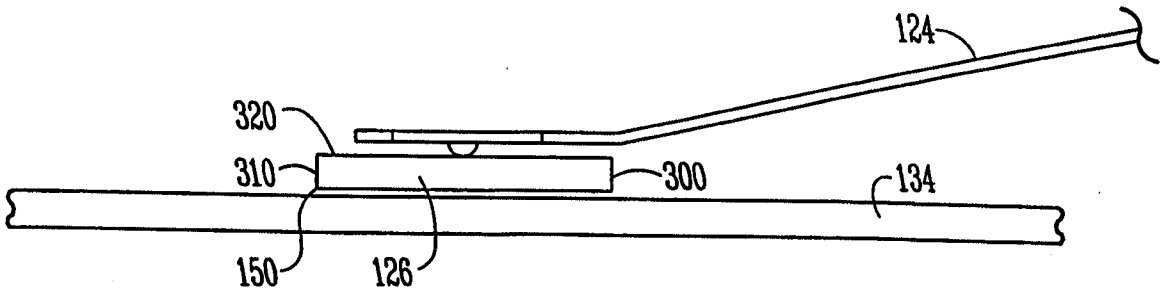


Fig. 2

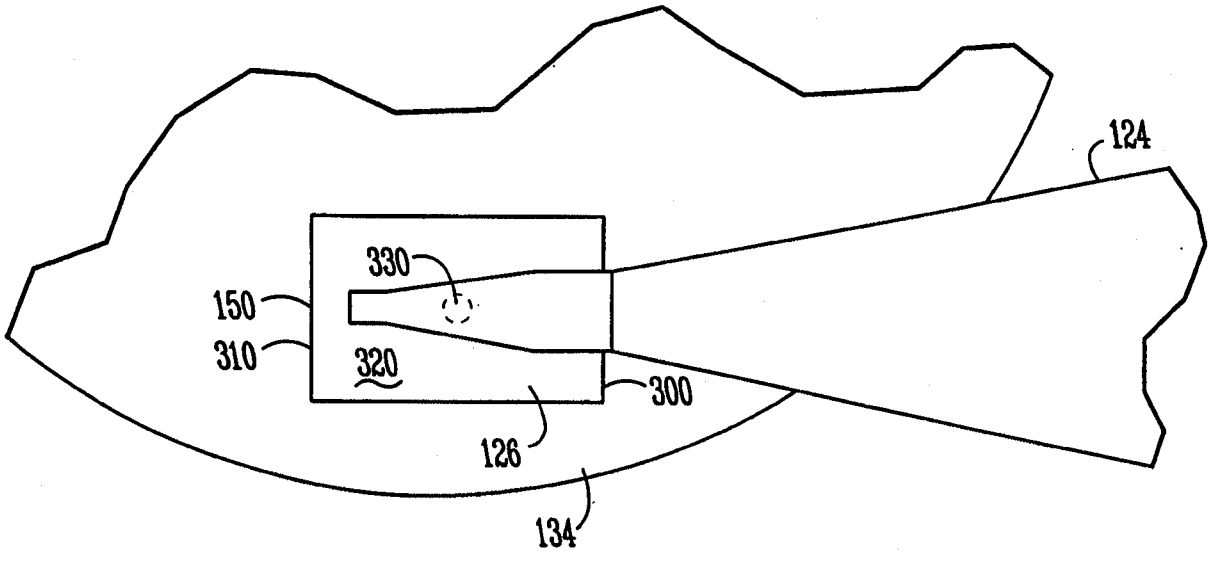


Fig. 3

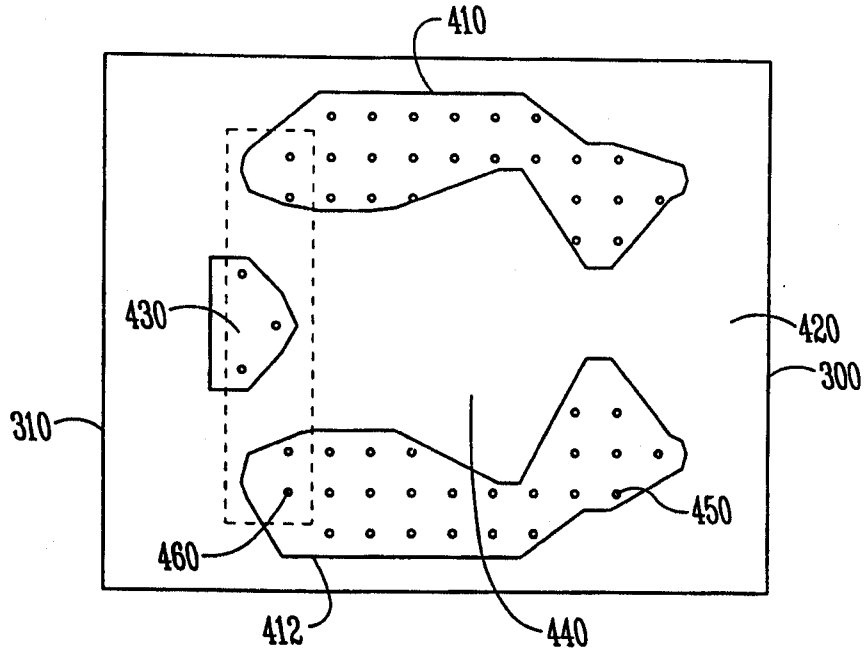

410
430
420
300
310
450
460
412
440

Fig. 4

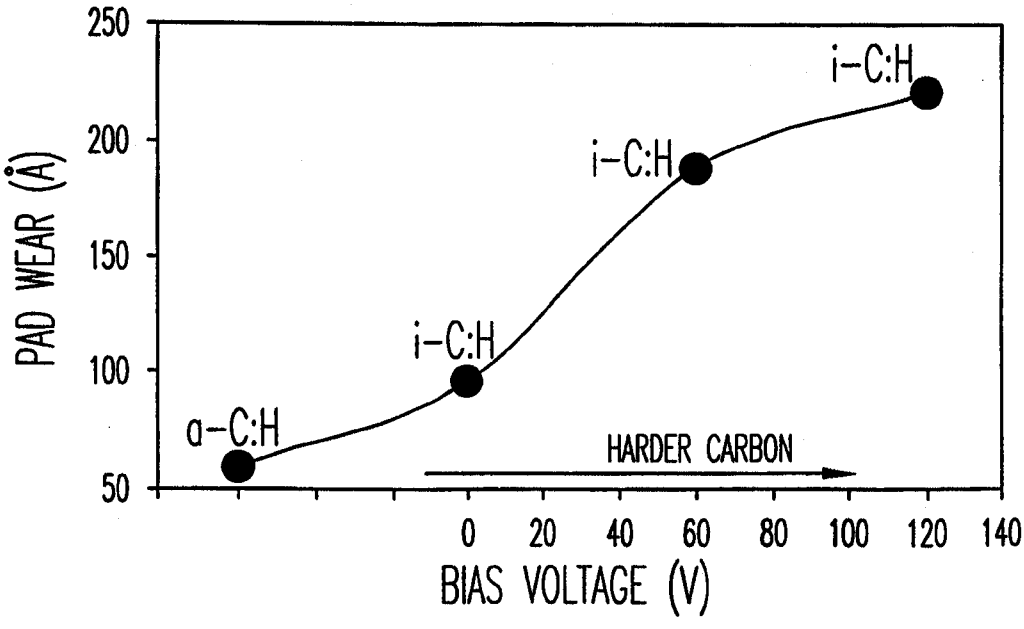

250
200
150
100
50
PAD WEAR (Å)
i-C:H
i-C:H
i-C:H
a-C:H
HARDER CARBON
0
20
40
60
80
100
120
140
BIAS VOLTAGE (V)

Fig. 5

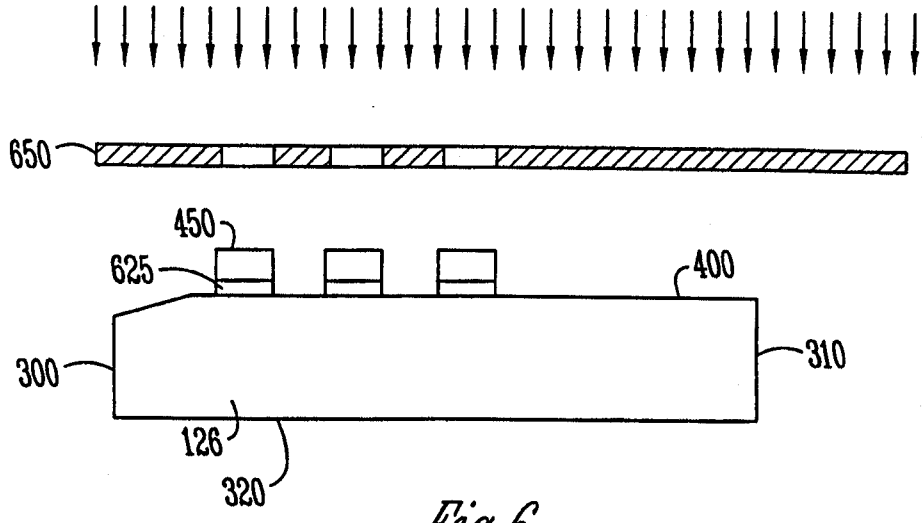


Fig. 6

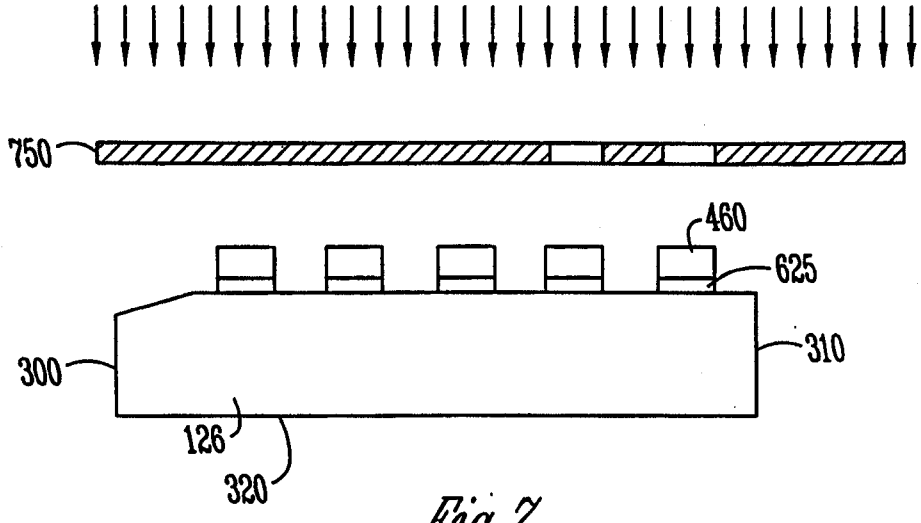


Fig. 7

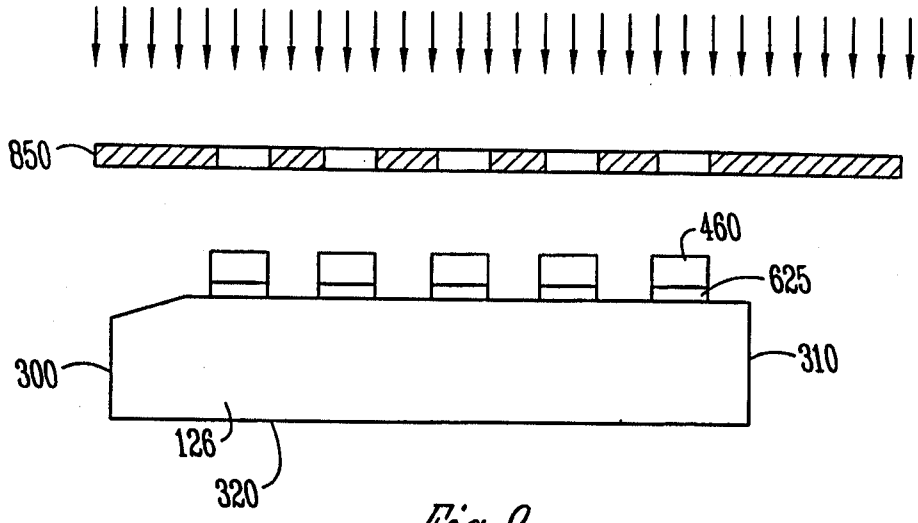

850
460
625
310
300
126
320

Fig. 8

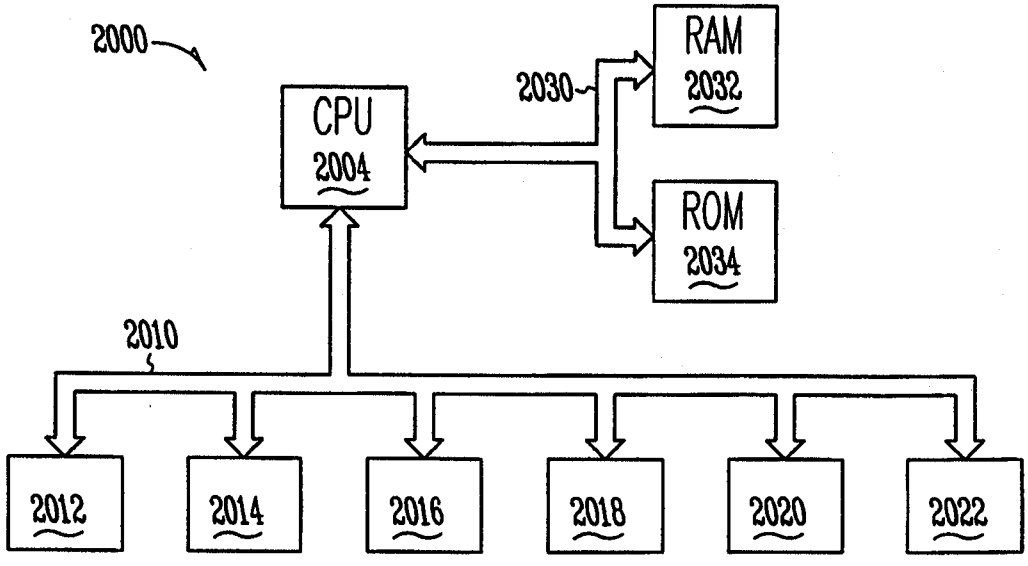

2000
CPU
2004
2030
RAM
2032
ROM
2034
2010
2012
2014
2016
2018
2020
2022

Fig. 9