FIG. 1

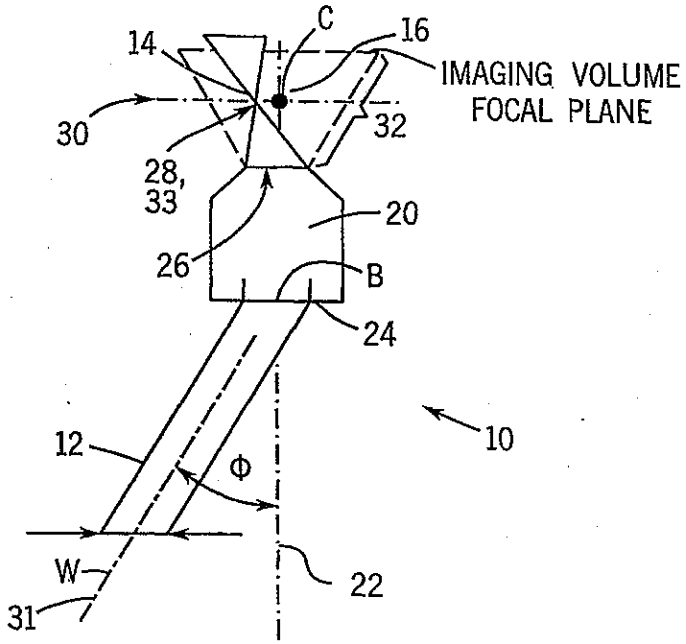

C
16
14
IMAGING VOLUME
FOCAL PLANE
30
32
28,
33
20
26
B
24
10
12
Φ
W
22
31

FIG. 2

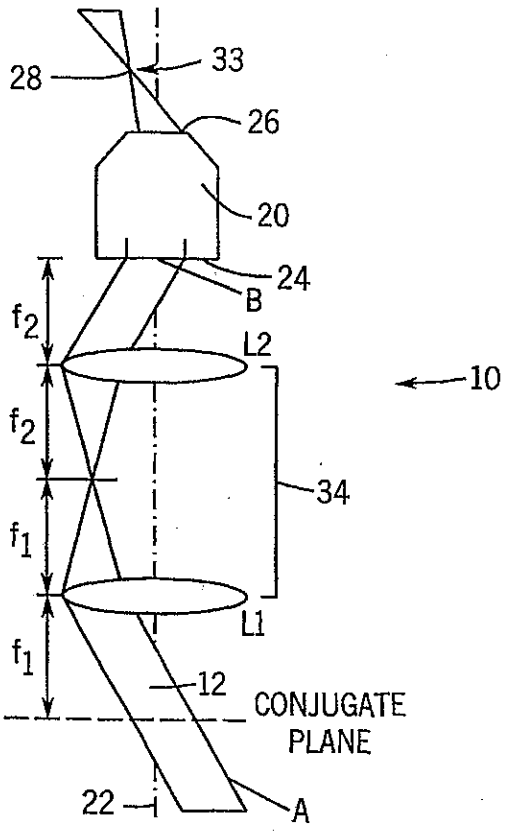

28
33
26
20
24
B
f2
L2
10
f2
34
f1
L1
f1
12
CONJUGATE
PLANE
22
A

FIG. 3

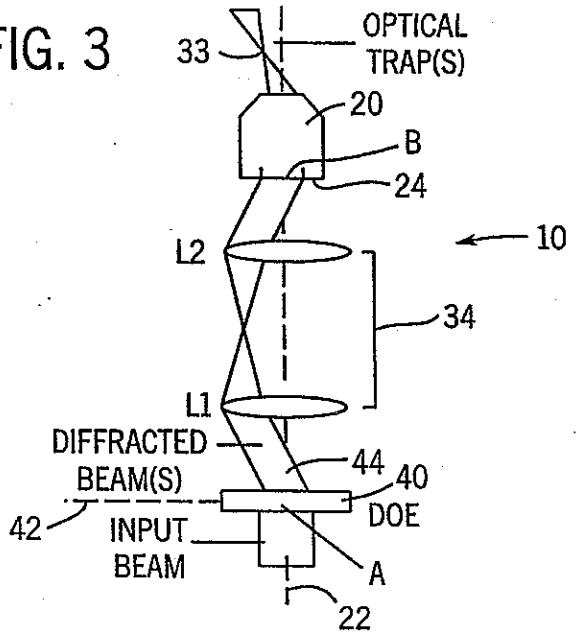

33
OPTICAL
TRAP(S)
20
B
24
10
L2
34
L1
DIFFRACTED
BEAM(S)
44
40
DOE
42
INPUT
BEAM
A
22

FIG. 4

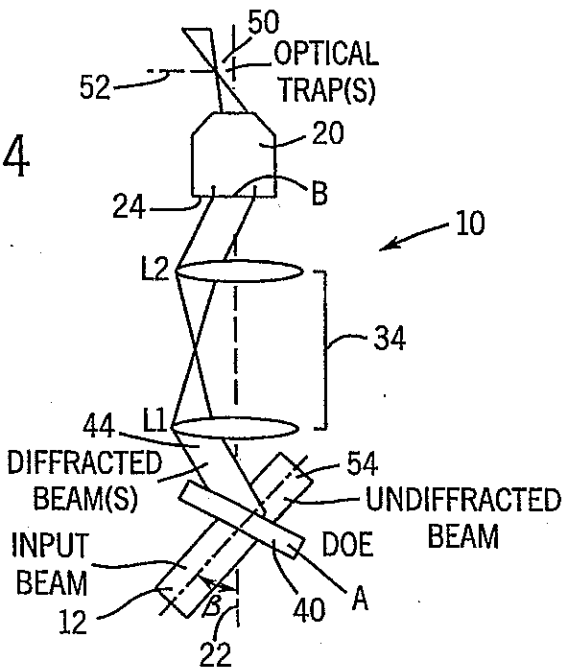

50
OPTICAL
TRAP(S)
52
20
B
24
10
L2
34
44
L1
DIFFRACTED
BEAM(S)
54
UNDIFFRACTED
BEAM
INPUT
BEAM
DOE
A
12
β
40
22

FIG. 5

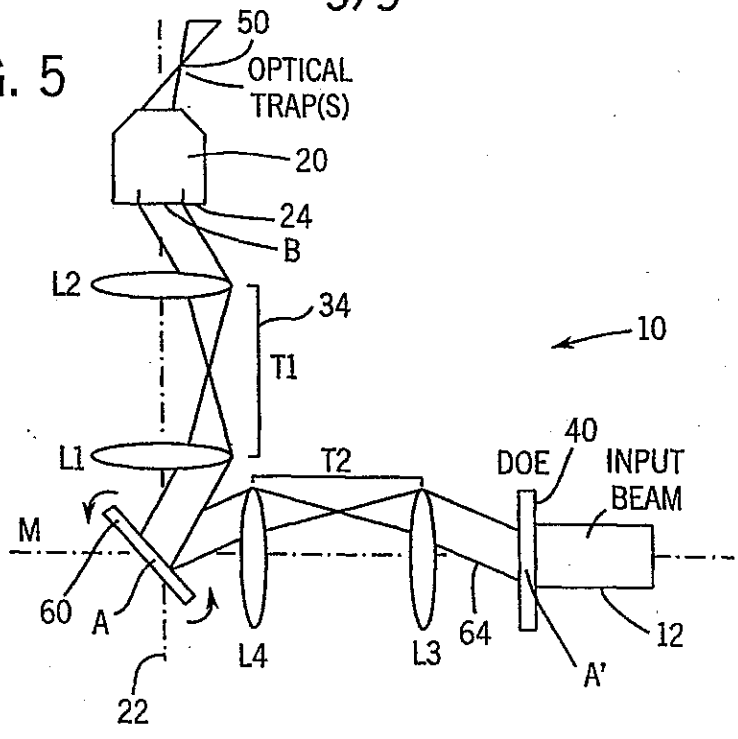
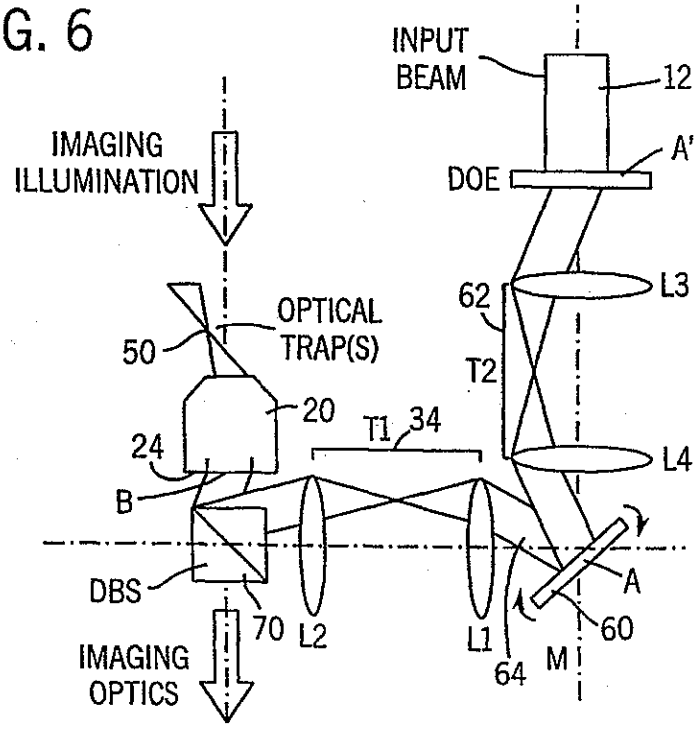

50
OPTICAL
TRAP(S)
20
24
B
L2
34
T1
10
L1
T2
40
DOE
INPUT
BEAM
M
60
A
L4
L3
64
12
A'
22

FIG. 6


INPUT
BEAM
12
IMAGING
ILLUMINATION
A'
DOE
L3
62
OPTICAL
TRAP(S)
50
T2
20
T1
34
L4
24
B
A
DBS
60
70
L2
L1
IMAGING
OPTICS
64
M

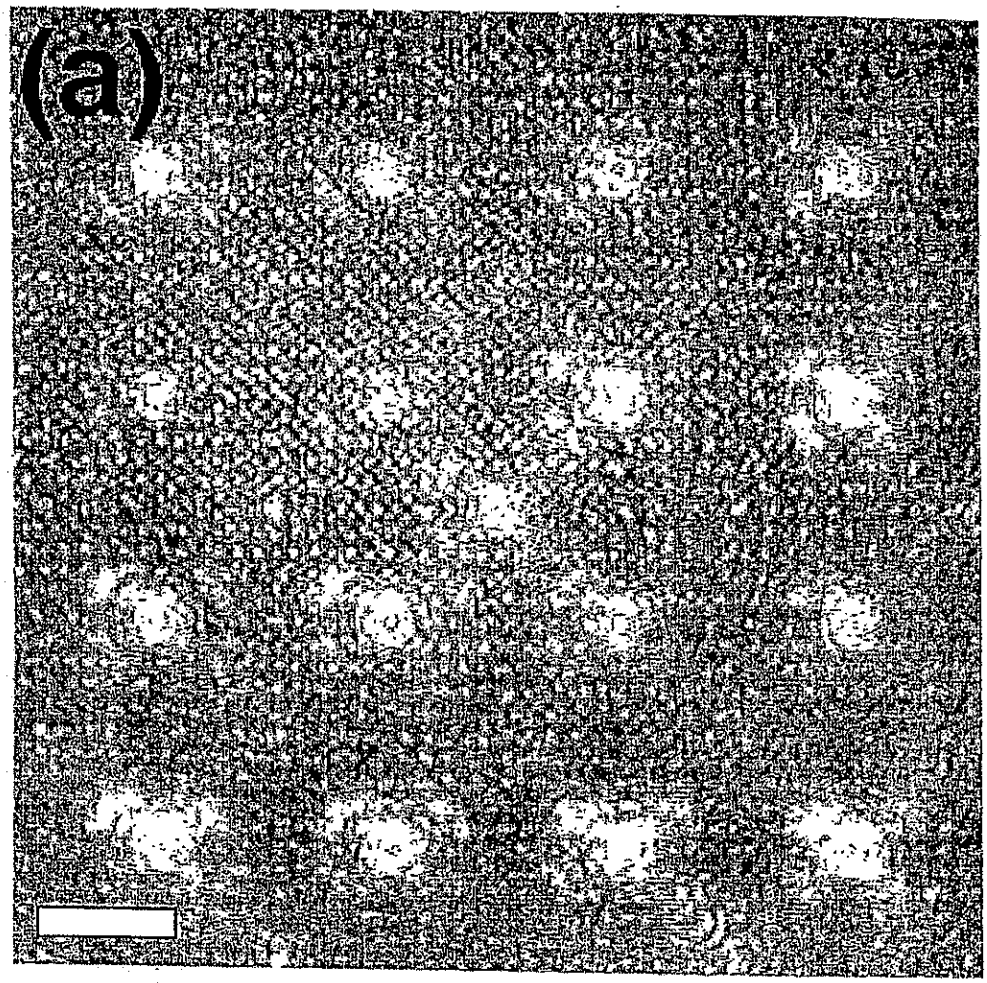


FIG. 7A

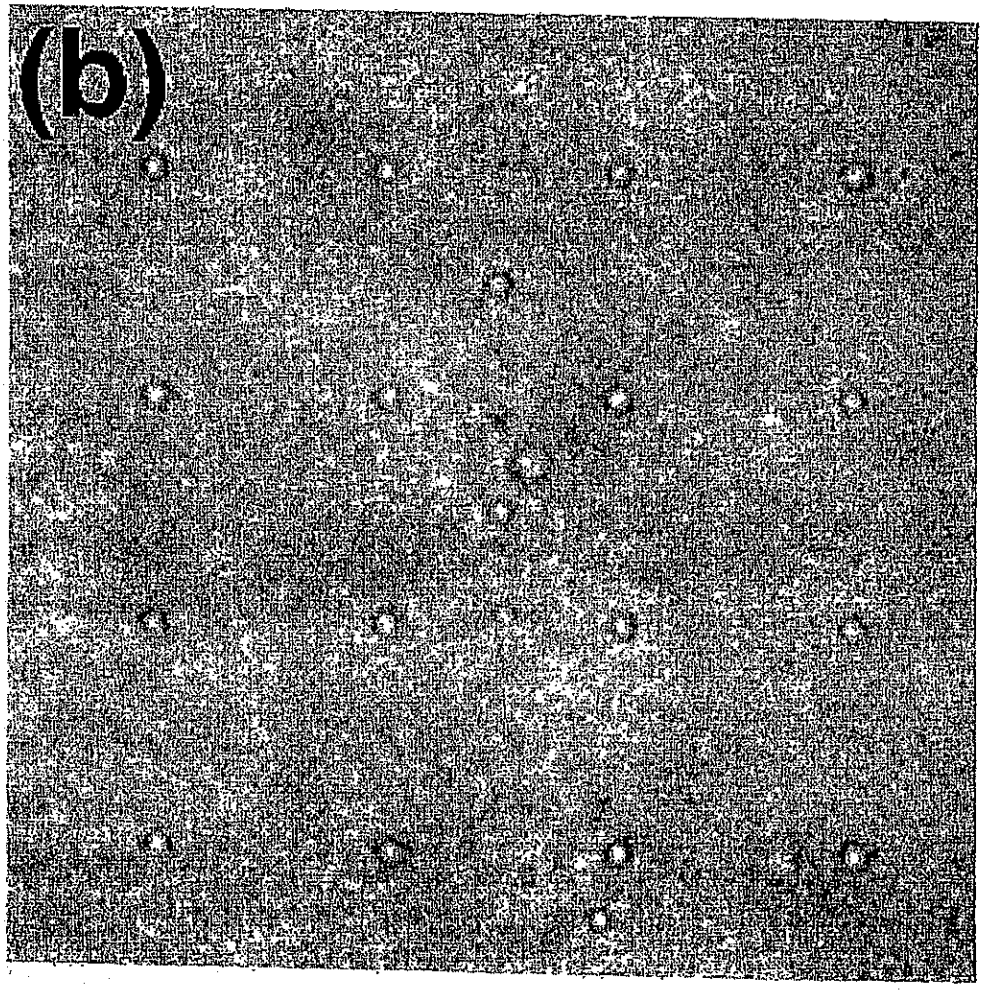
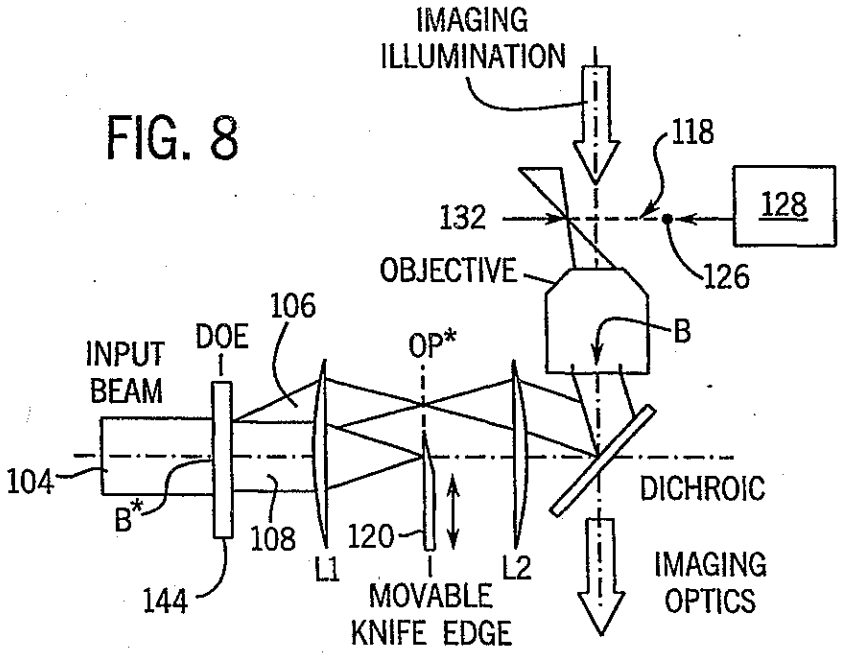


FIG. 7B

FIG. 8


IMAGING
ILLUMINATION
118
128
132
126
OBJECTIVE
B
106
DOE
INPUT
BEAM
OP*
104
B*
108
120
L1
L2
DICHROIC
IMAGING
OPTICS
144
MOVABLE
KNIFE EDGE

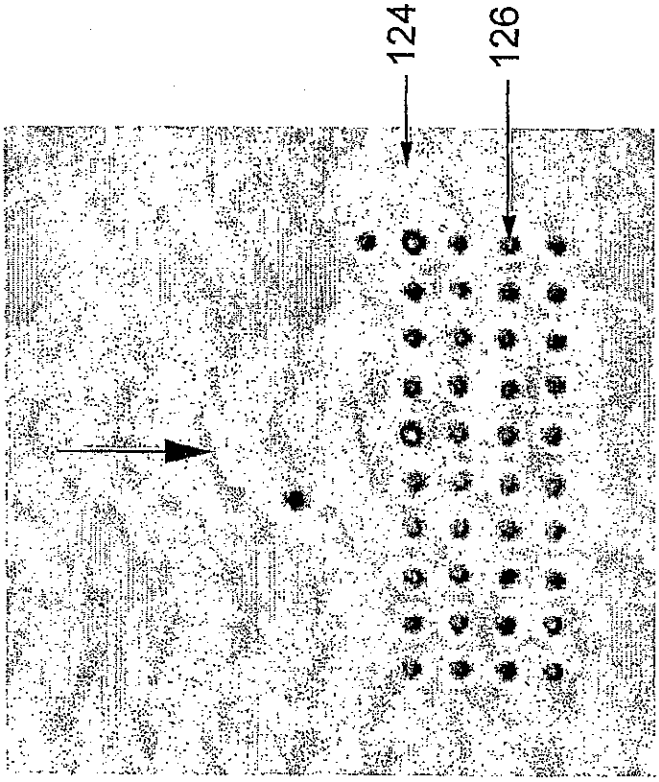


FIG. 9B

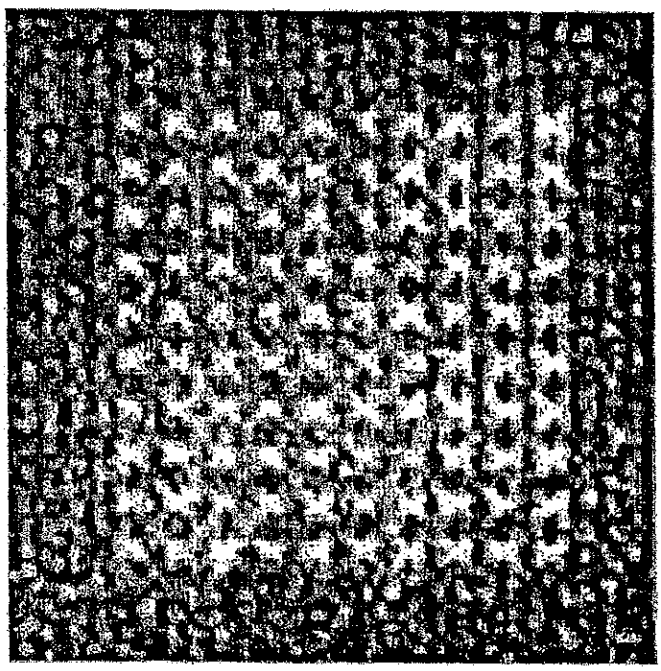


FIG. 9A

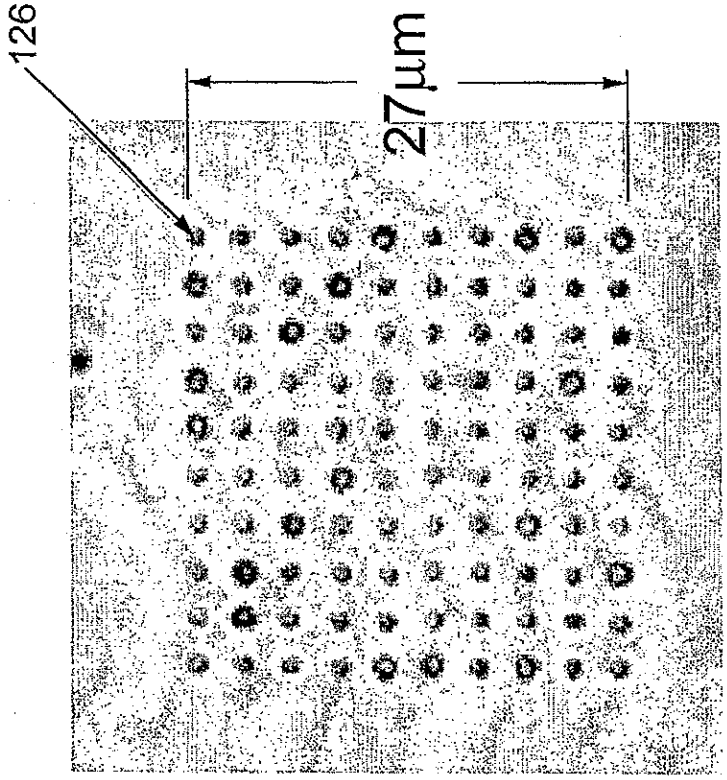


FIG. 9D

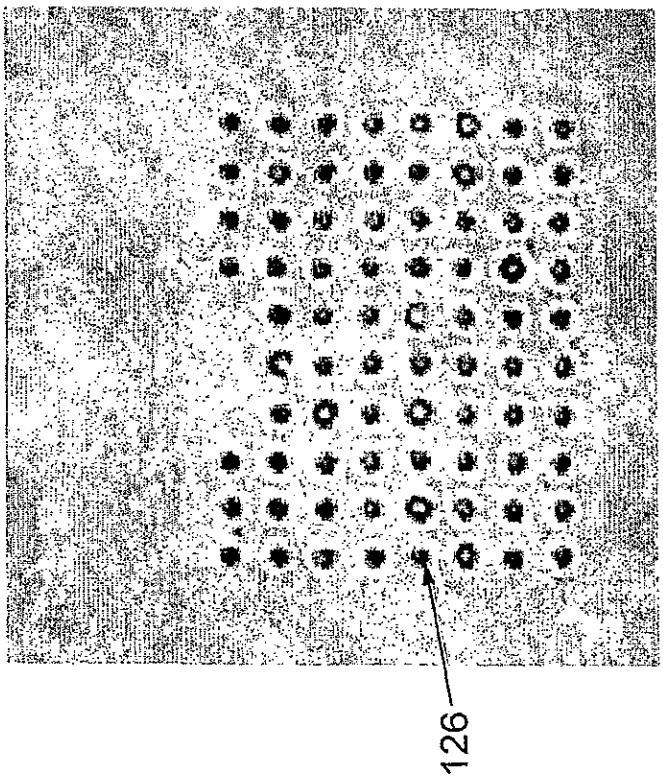


FIG. 9C

FIG. 10

