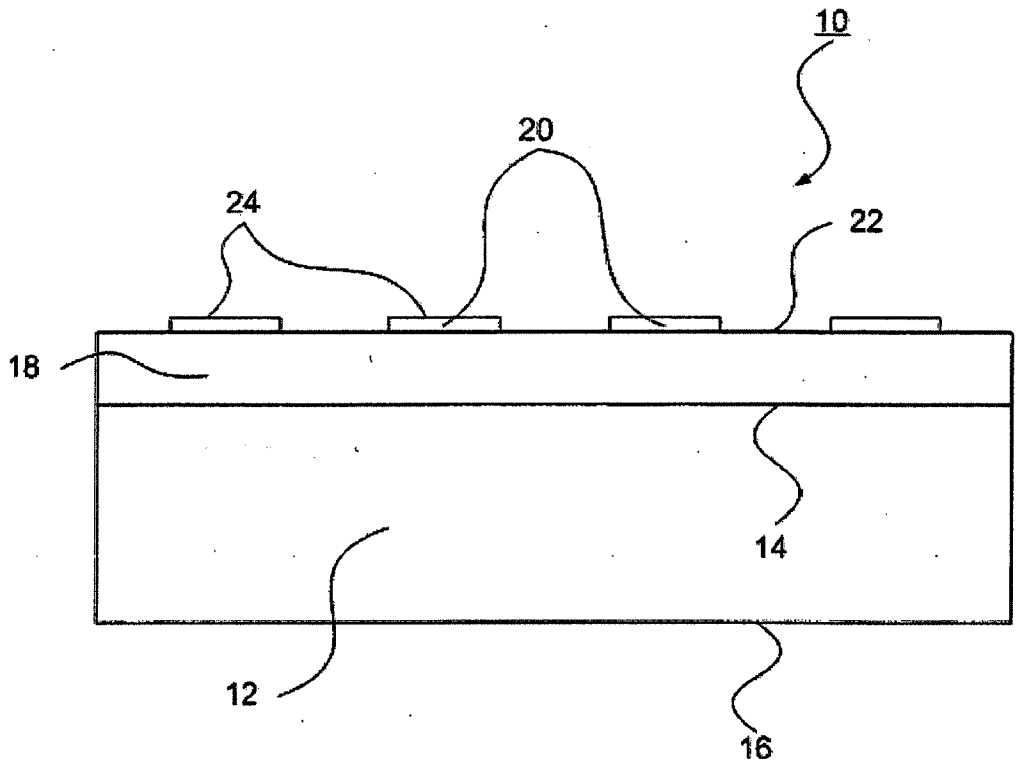


FIG. 1

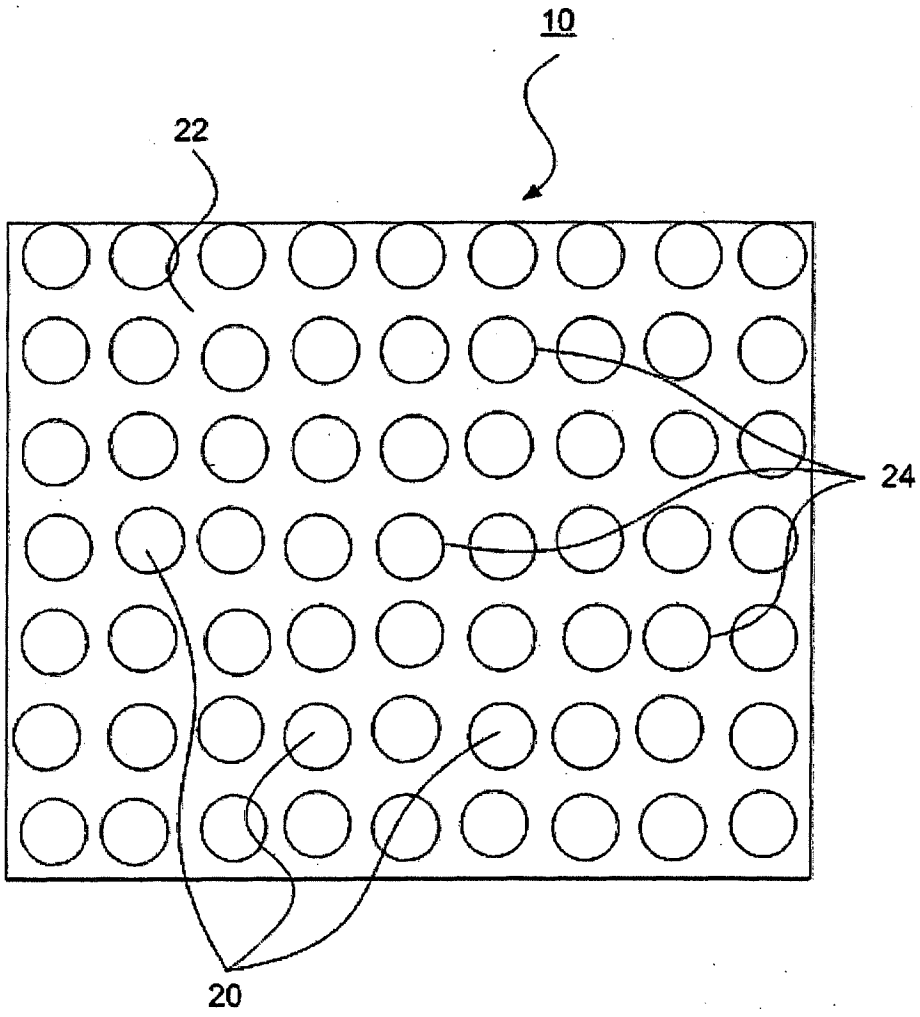


FIG. 2

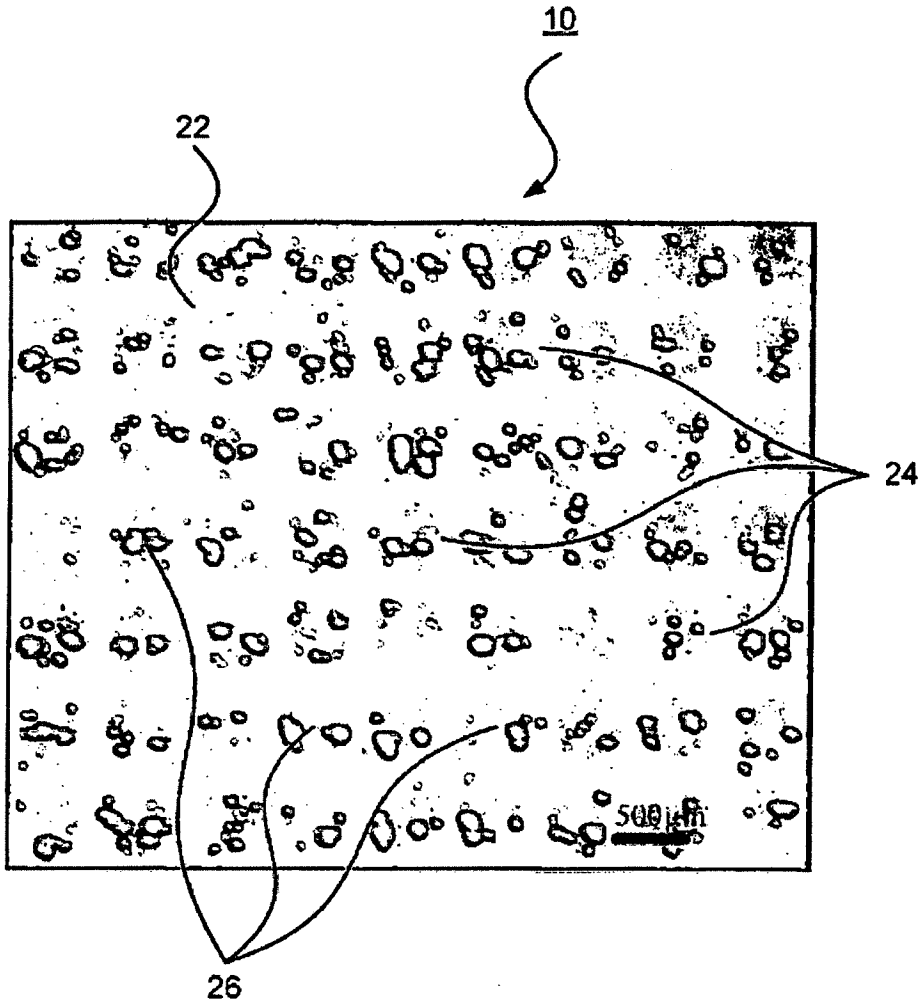


FIG. 3

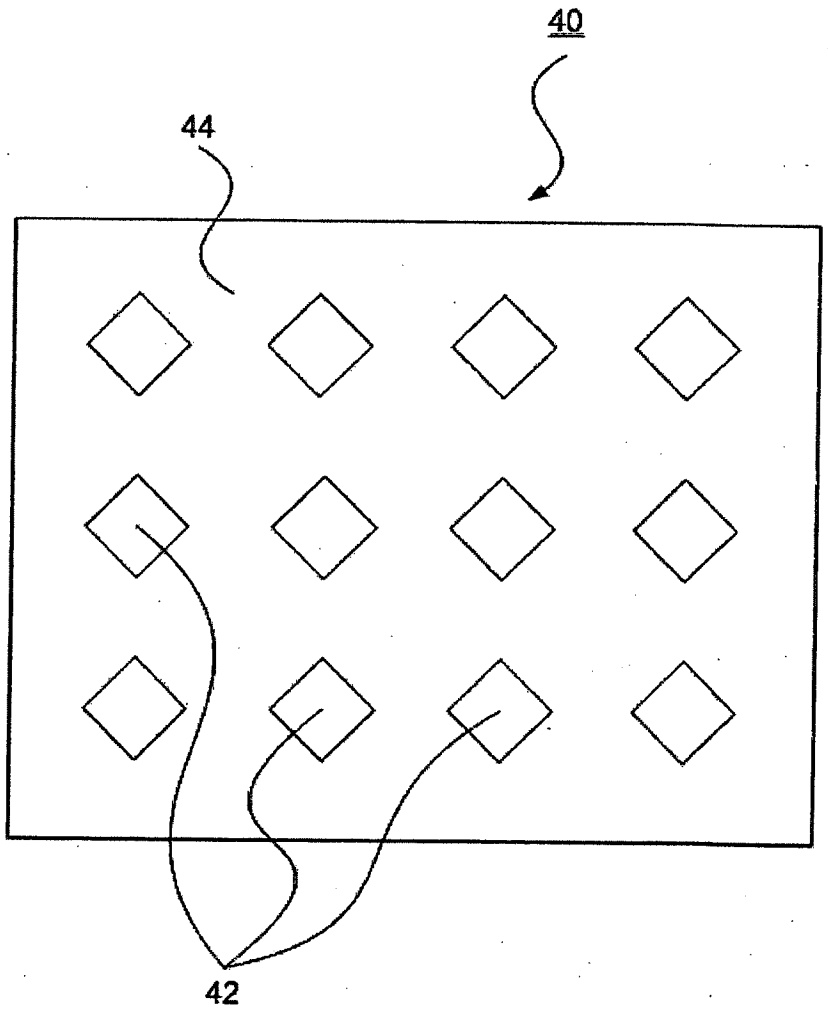


FIG. 4

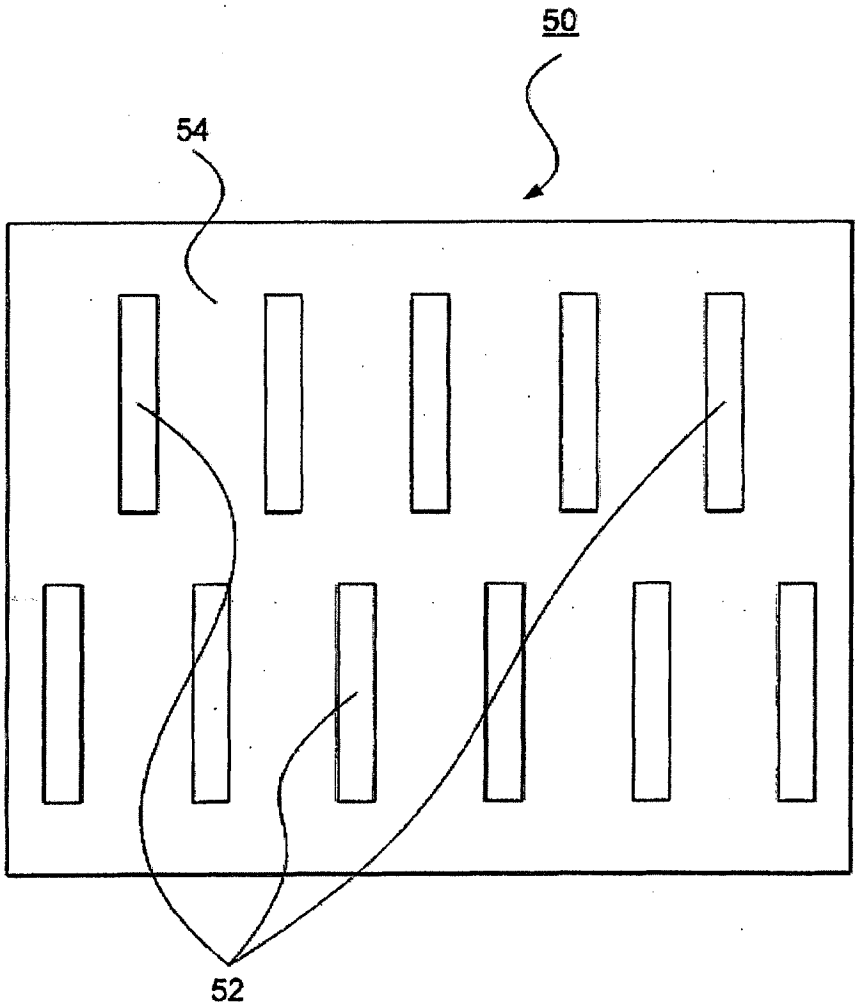


FIG. 5

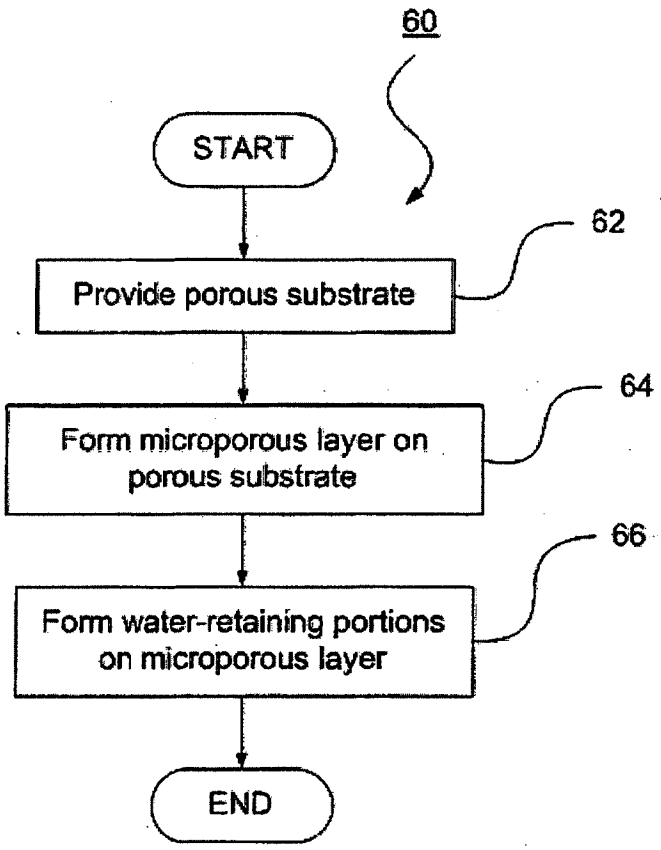

60
START
62
Provide porous substrate
64
Form microporous layer on porous substrate
66
Form water-retaining portions on microporous layer
END

FIG. 6

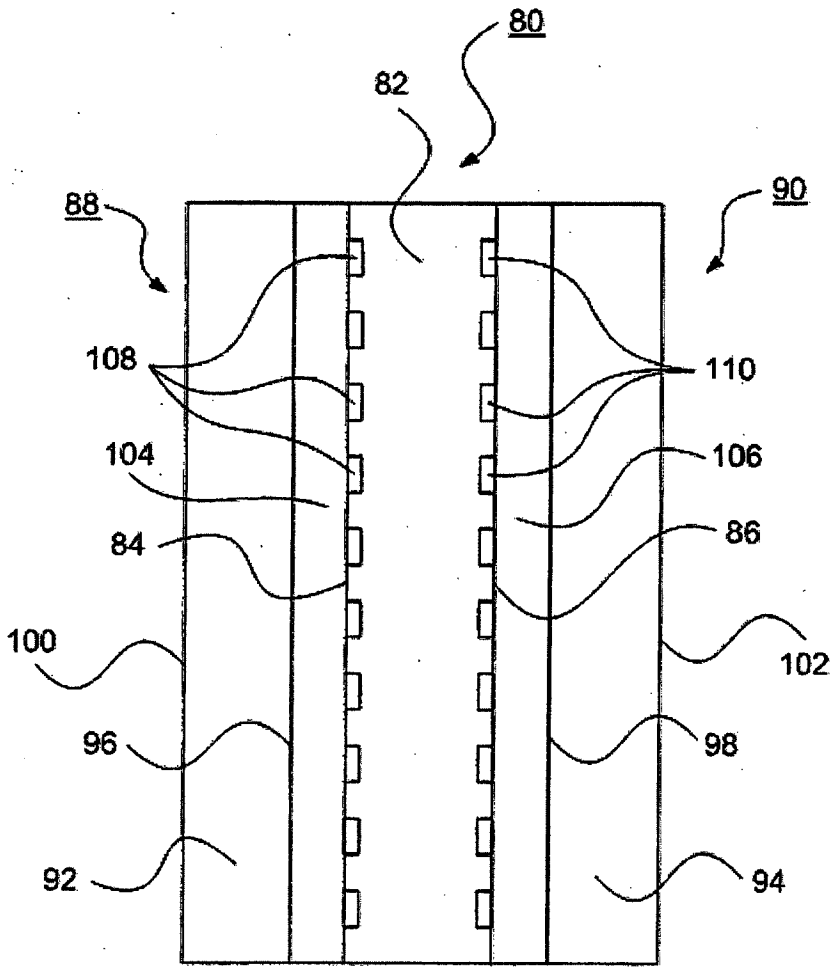


FIG. 7

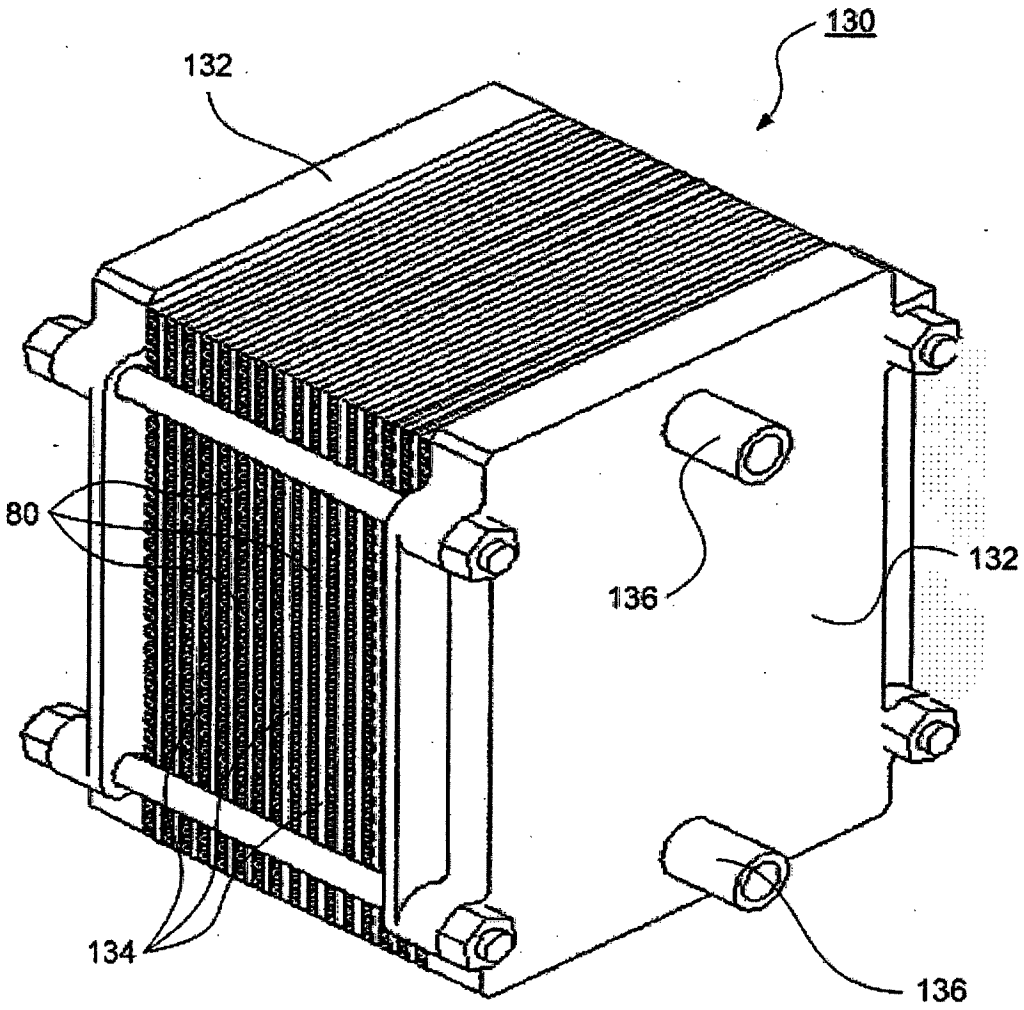


FIG. 8

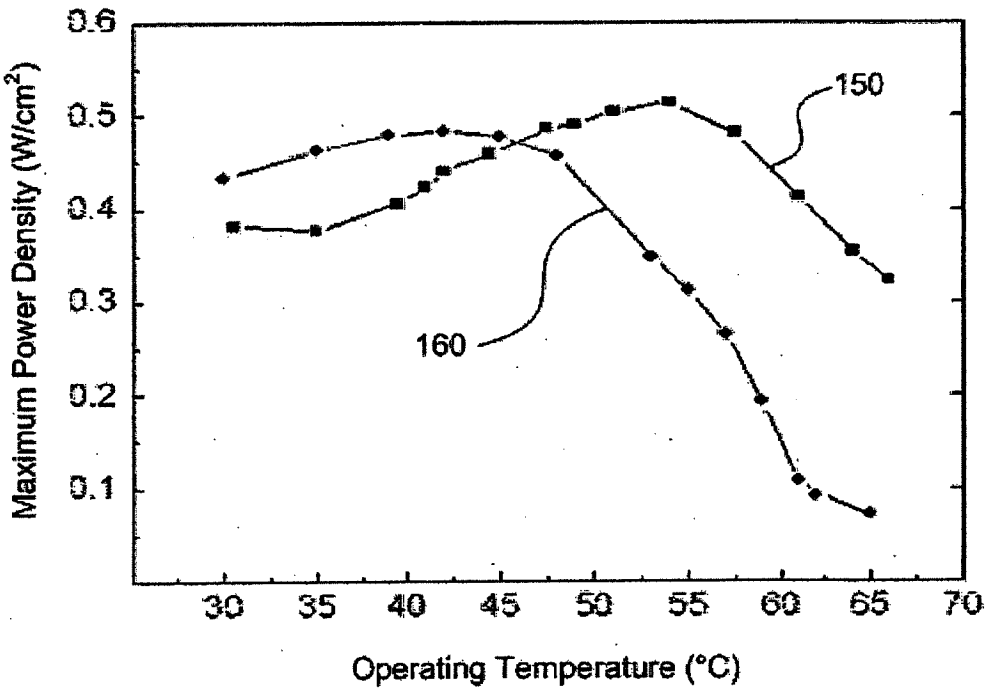

Maximum Power Density (W/cm²)
0.6
0.5
0.4
0.3
0.2
0.1
150
160
30
35
40
45
50
55
60
65
70
Operating Temperature (°C)

FIG. 9

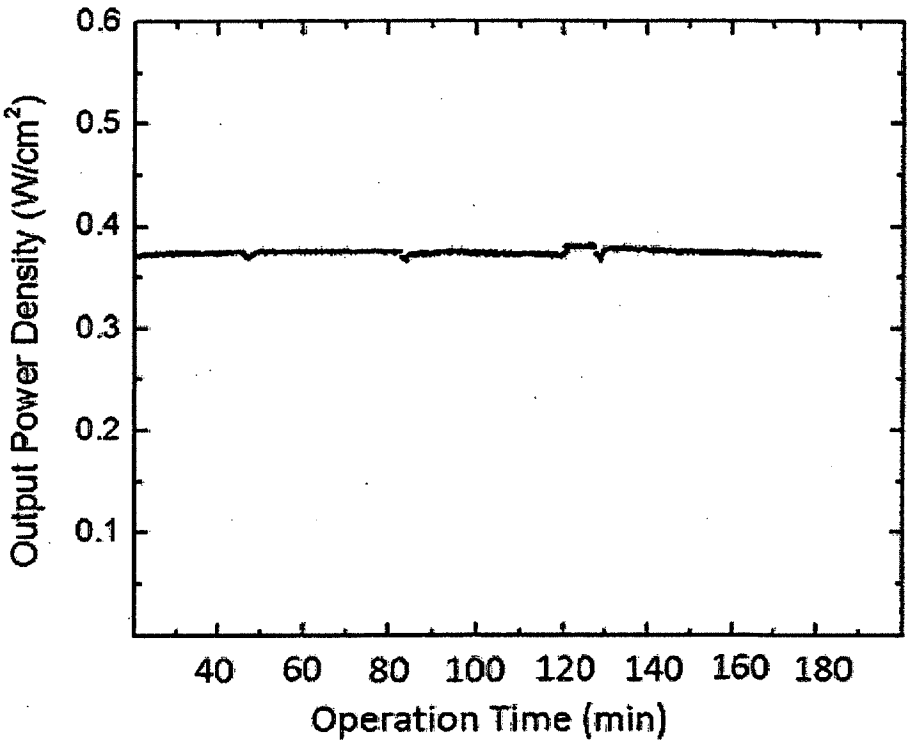

Output Power Density (W/cm²)
0.6
0.5
0.4
0.3
0.2
0.1
40
60
80
100
120
140
160
180
Operation Time (min)

FIG. 10