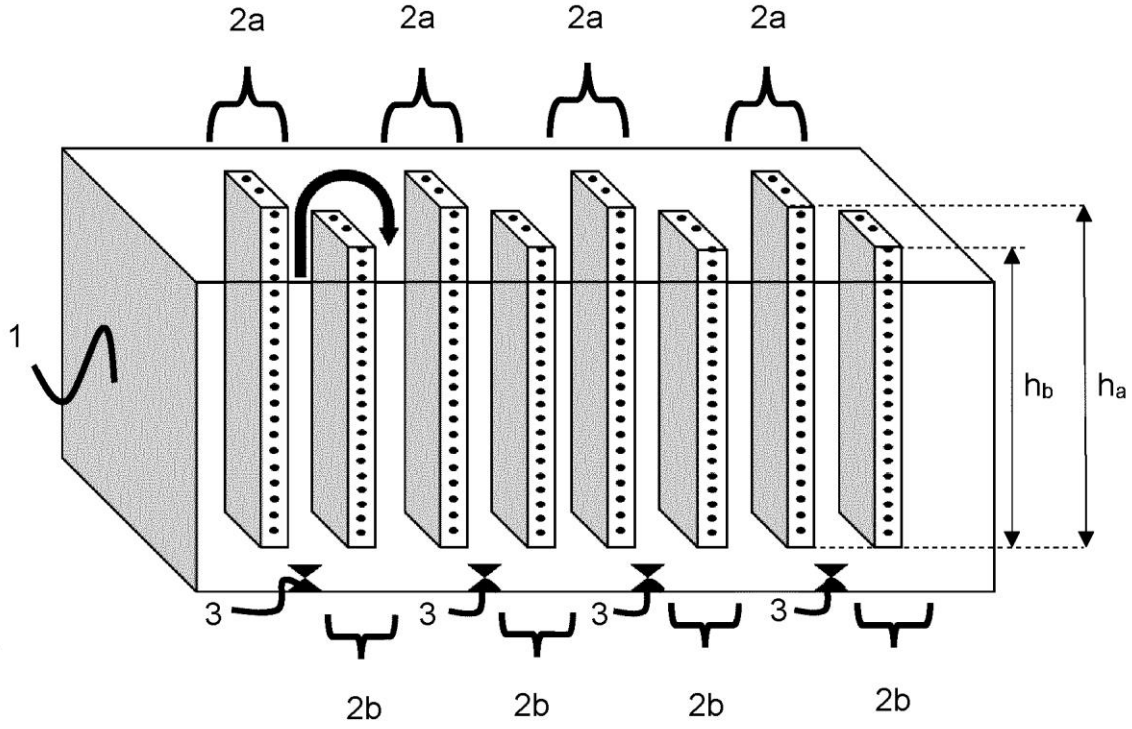


FIG.1

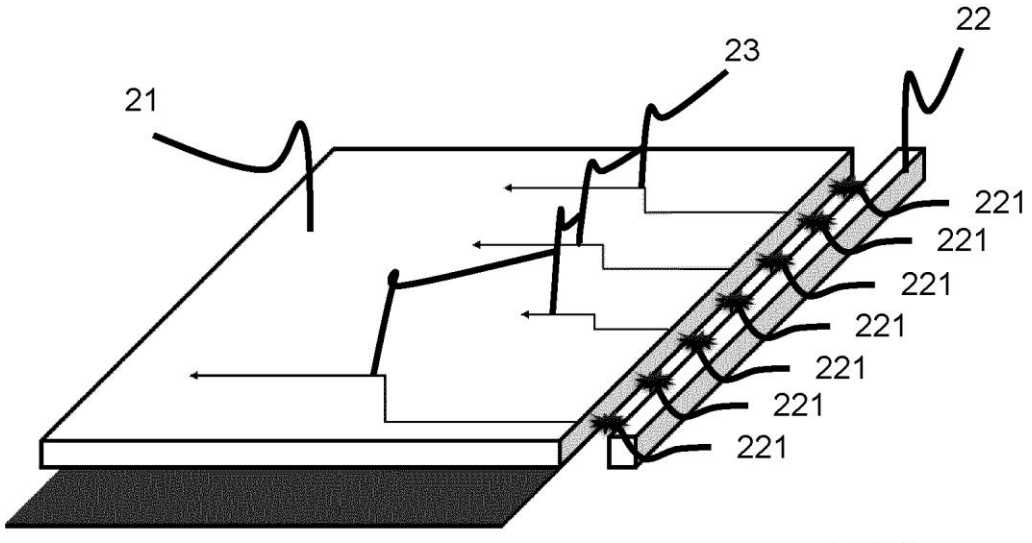


FIG.2

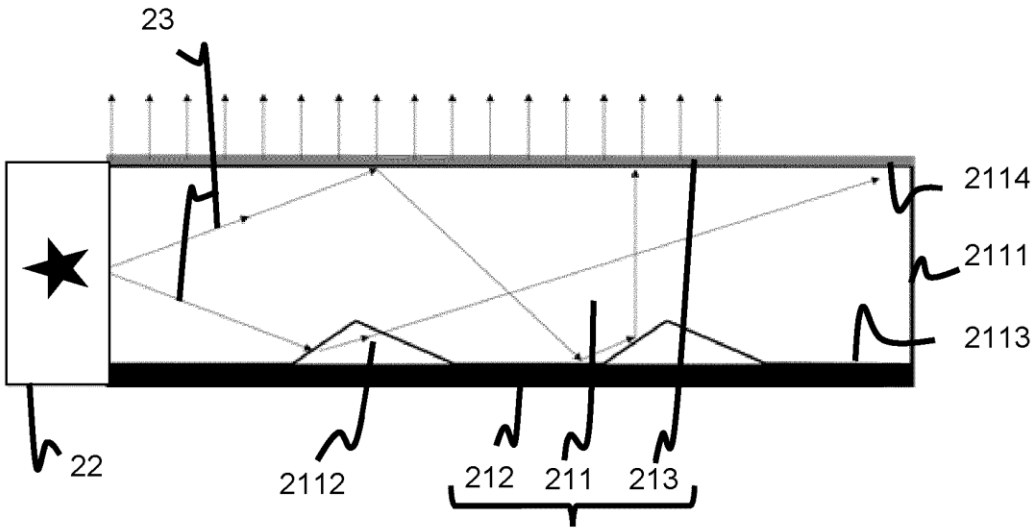

23
2114
2111
2113
22
2112
212
211
213
21

FIG.3

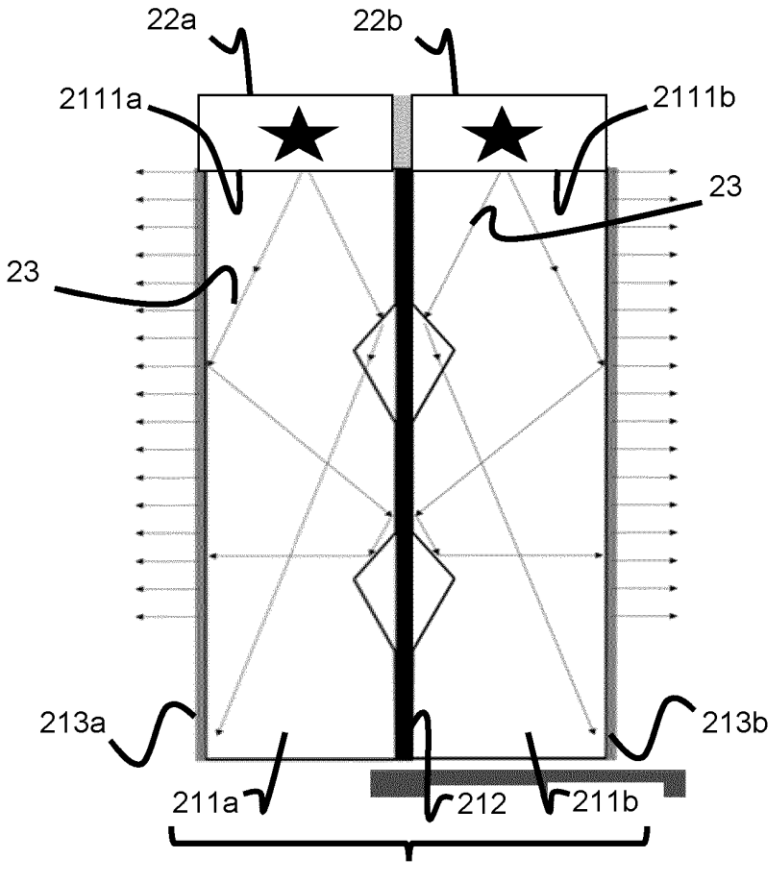

22a
22b
2111a
2111b
23
23
213a
213b
211a
212
211b
21

FIG.4

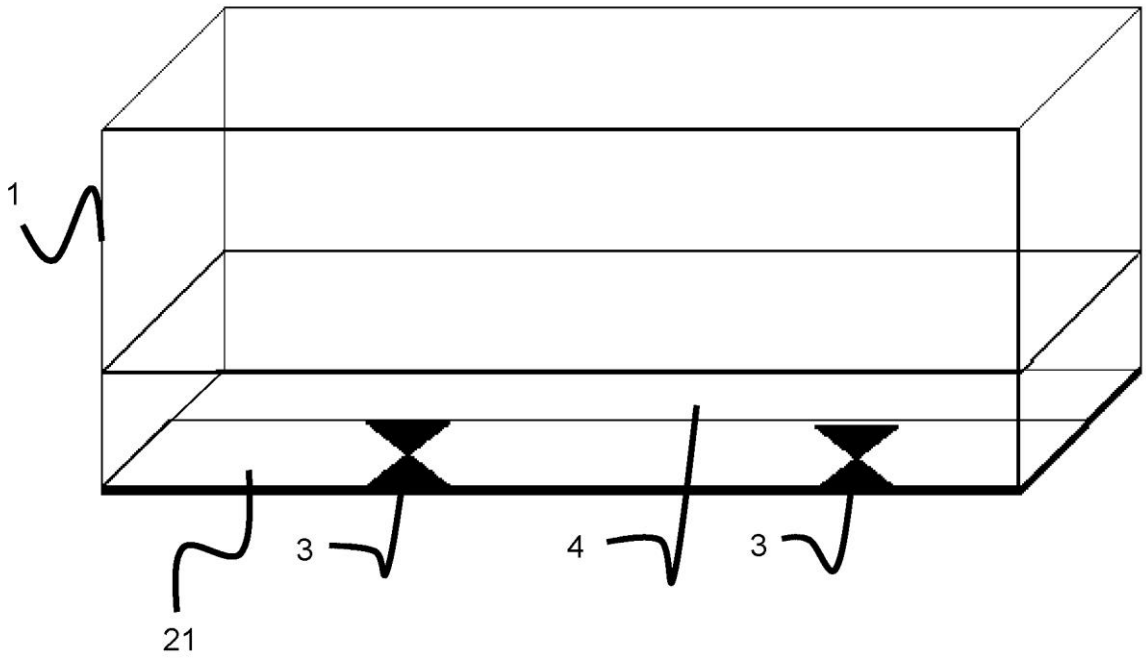

1
3
4
3
21

FIG.5

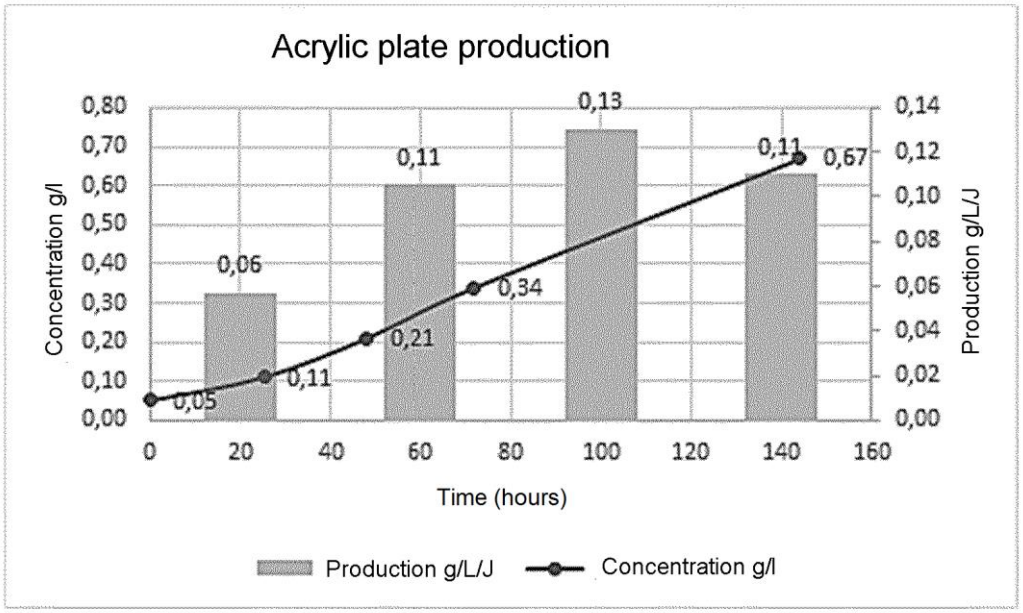

Acrylic plate production
Concentration g/l
Production g/L/J
Time (hours)
0,80
0,70
0,60
0,50
0,40
0,30
0,20
0,10
0,00
0,14
0,12
0,10
0,08
0,06
0,04
0,02
0,00
0
20
40
60
80
100
120
140
160
0,05
0,06
0,11
0,11
0,21
0,13
0,34
0,11
0,67
Production g/L/J
Concentration g/l

FIG.6

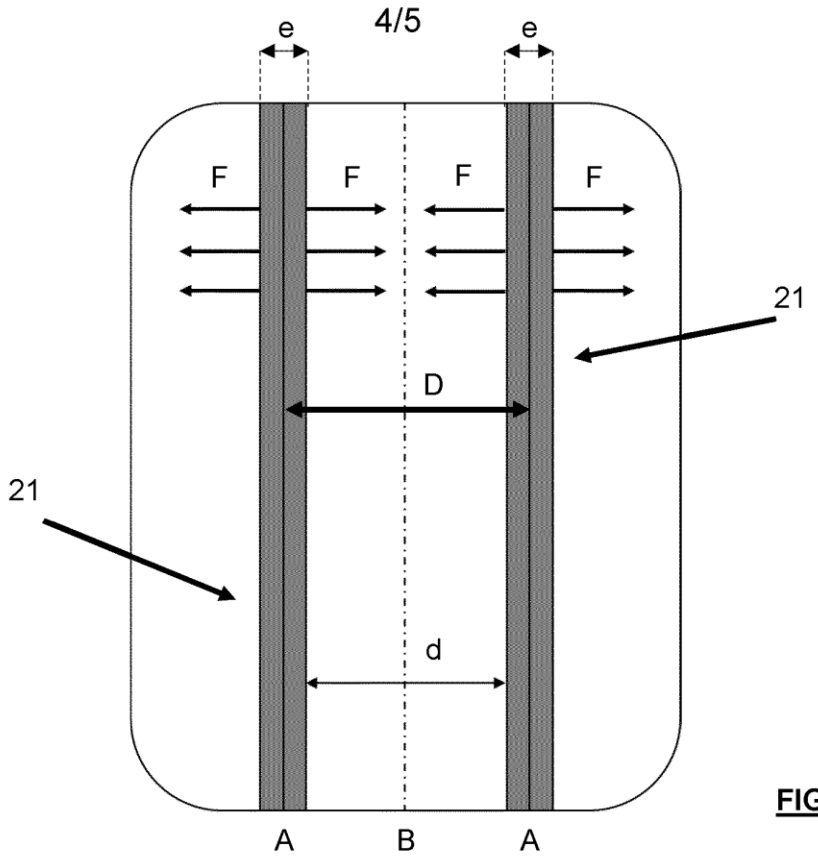

e
e
F
F
F
F
21
D
21
d
A
B
A

FIG.7

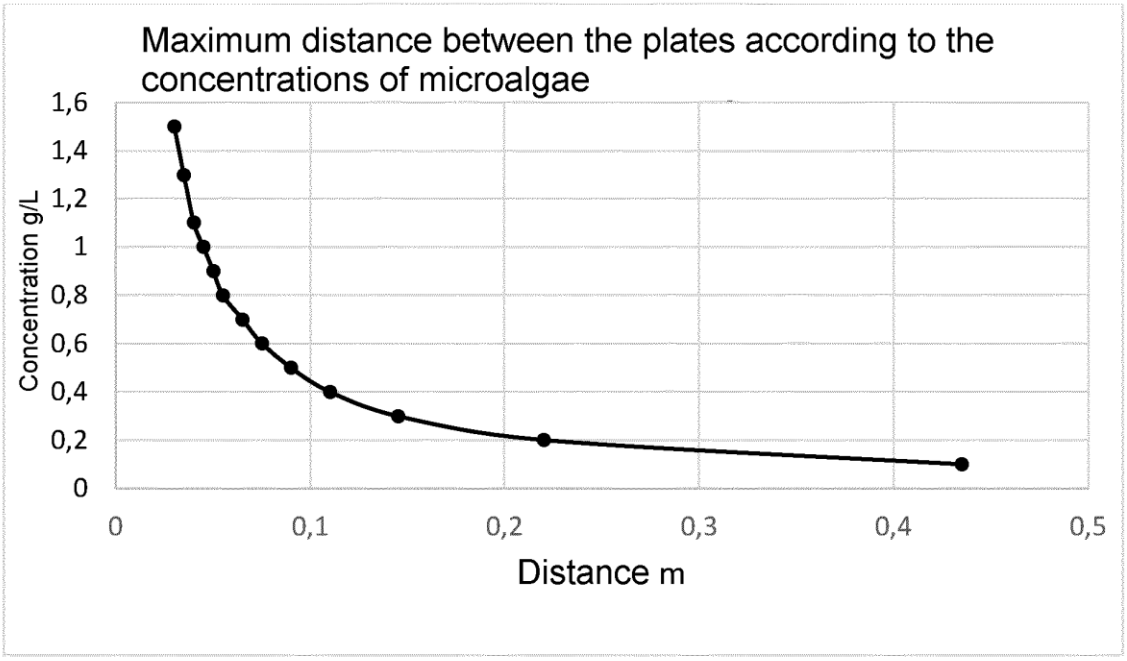

Maximum distance between the plates according to the concentrations of microalgae
Concentration g/L
1,6
1,4
1,2
1
0,8
0,6
0,4
0,2
0
0
0,1
0,2
0,3
0,4
0,5
Distance m

FIG.8

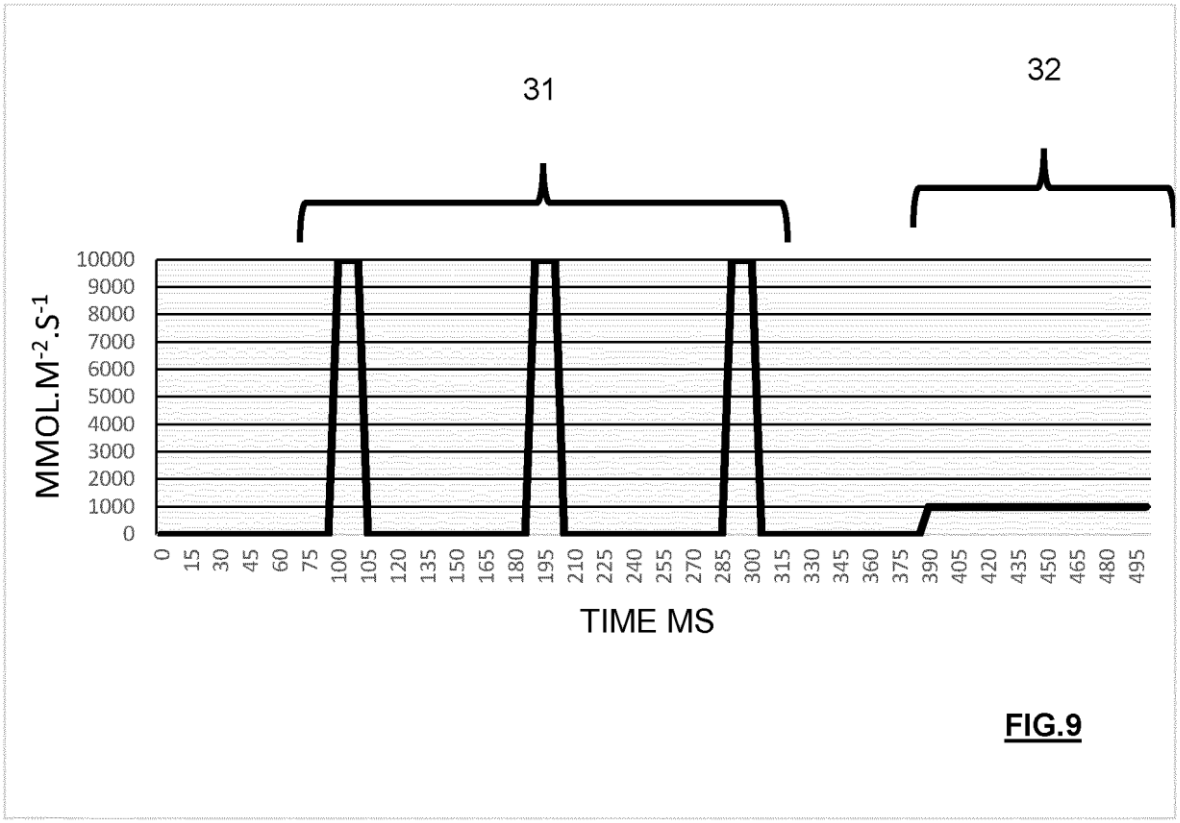

31
32
MMOL.M-2 S-1
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 15 30 45 60 75 100 105 120 135 150 165 180 195 210 225 240 255 270 285 300 315 330 345 360 375 390 405 420 435 450 465 480 495
TIME MS

FIG.9

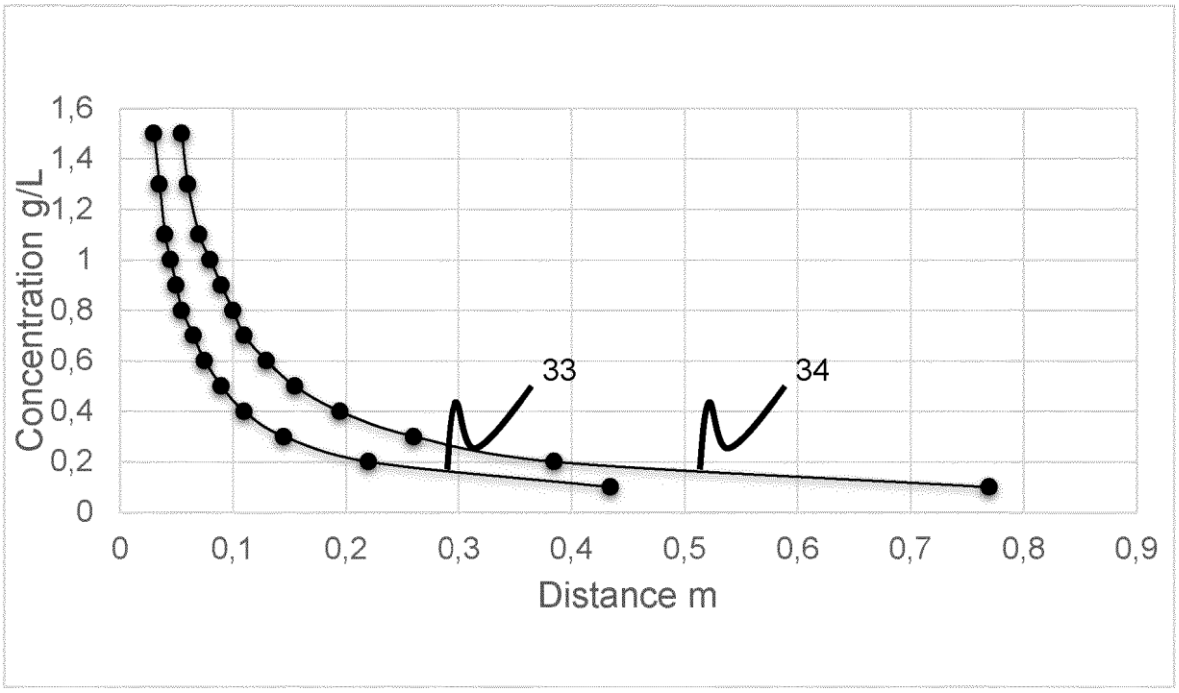

Concentration g/L
1,6
1,4
1,2
1
0,8
0,6
0,4
0,2
0
0 0,1 0,2 0,3 0,4 0,5 0,6 0,7 0,8 0,9
Distance m
33
34

FIG.10