Figuren

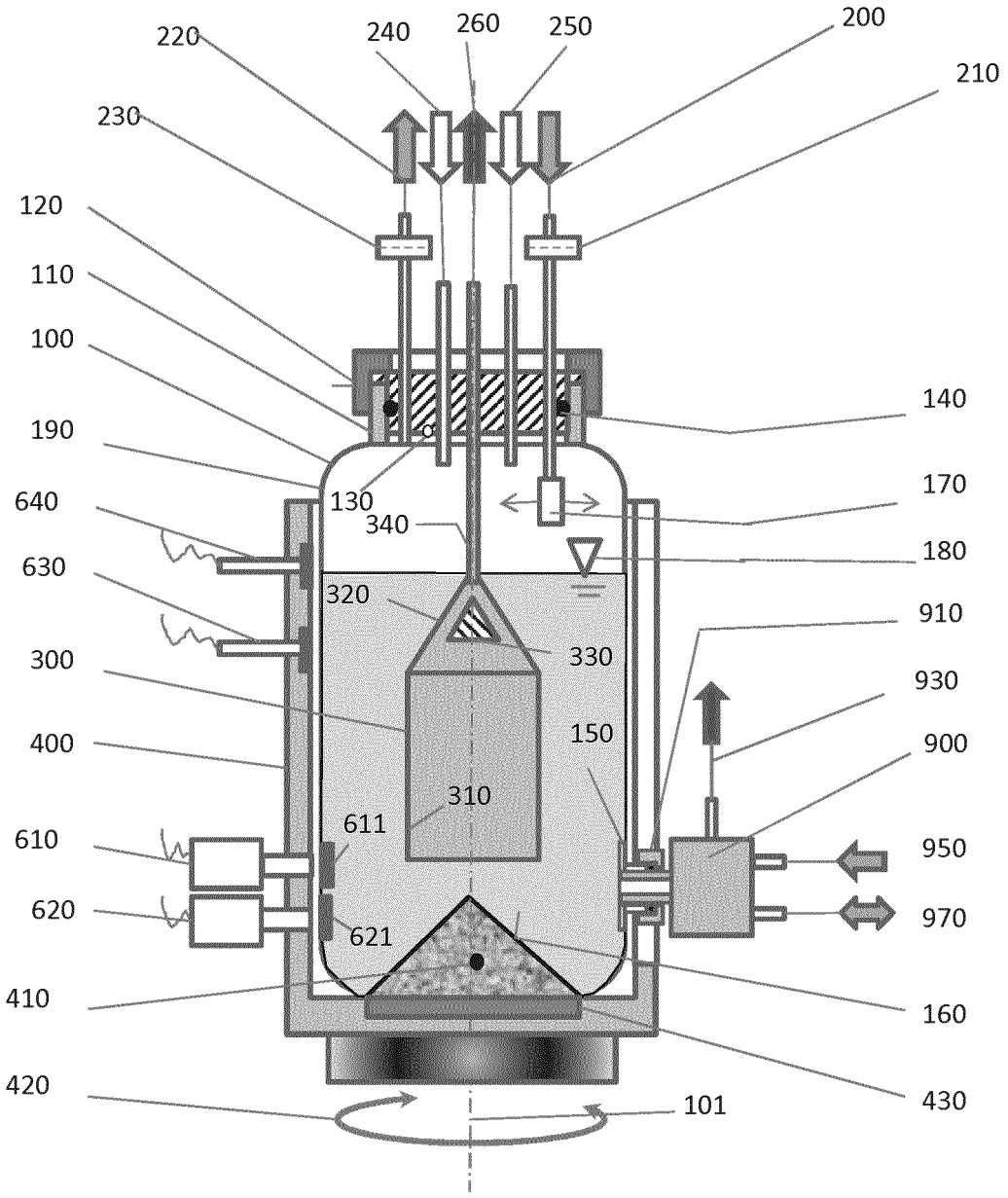

Fig. 1

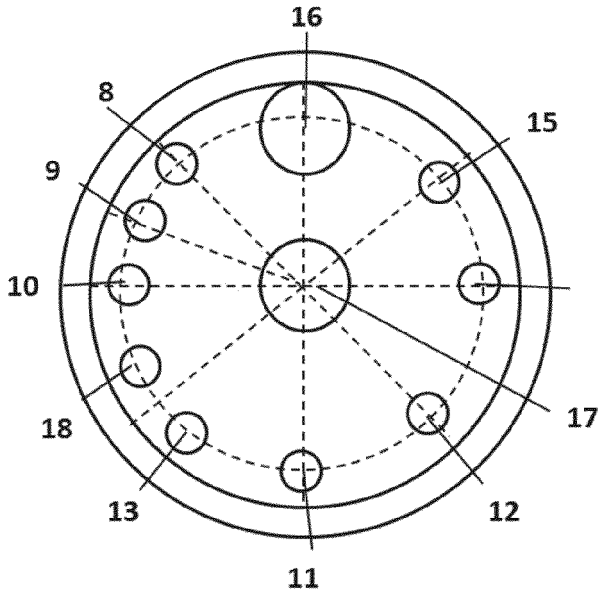

Fig. 2

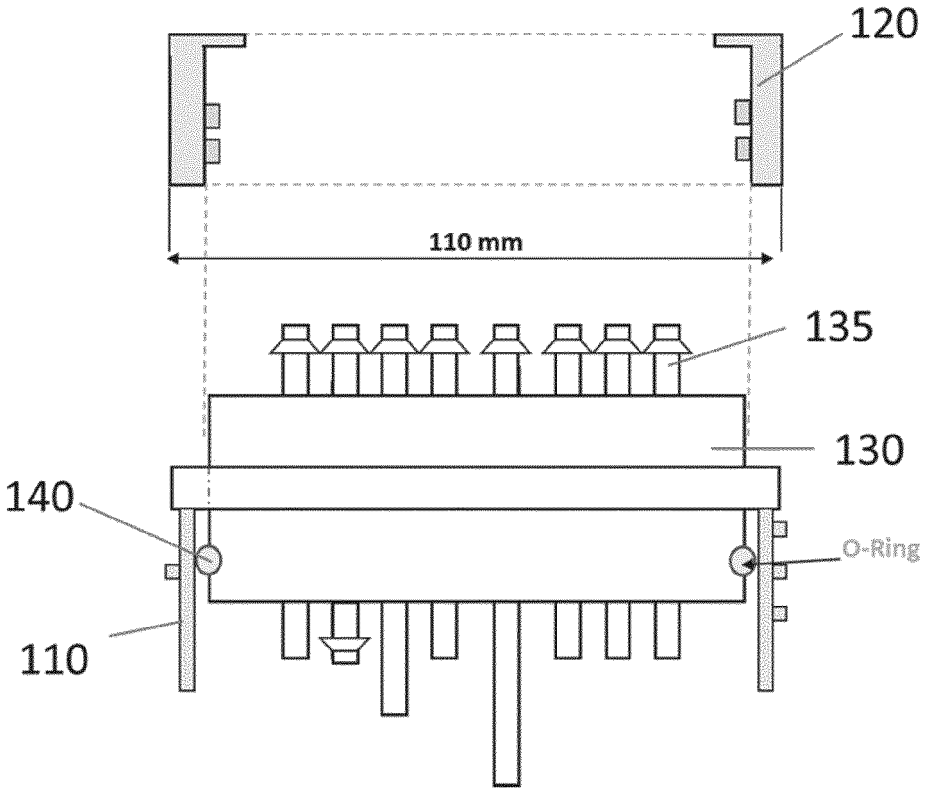

Fig. 3

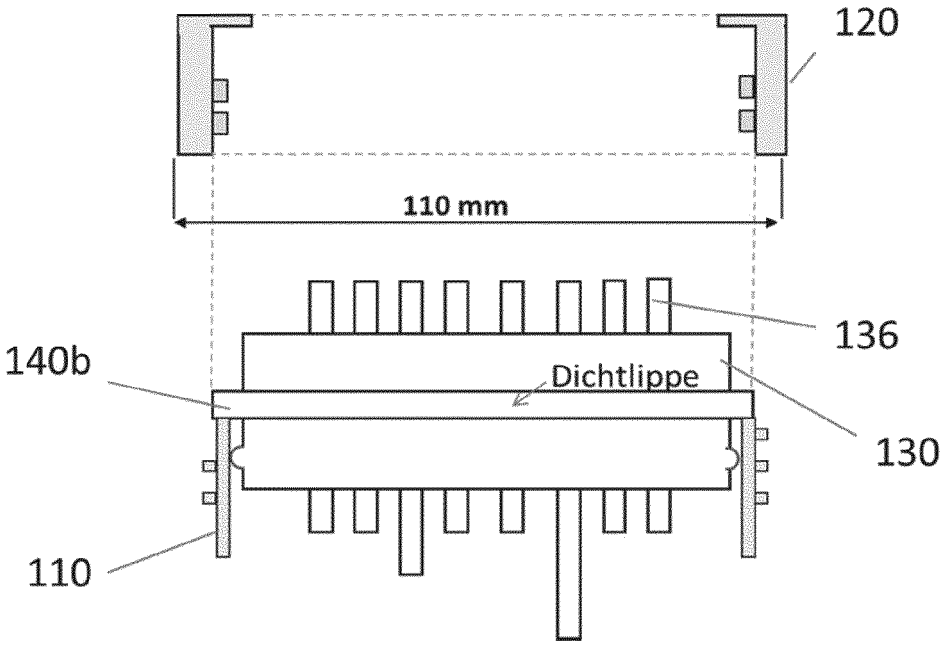
120
110 mm
136
140b
Dichtlippe
130
110

Fig. 4

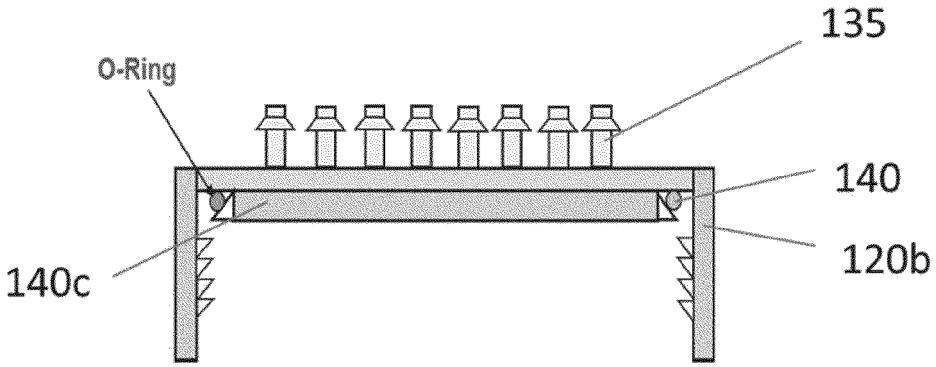
135
O-Ring
140
120b
140c

Fig. 5

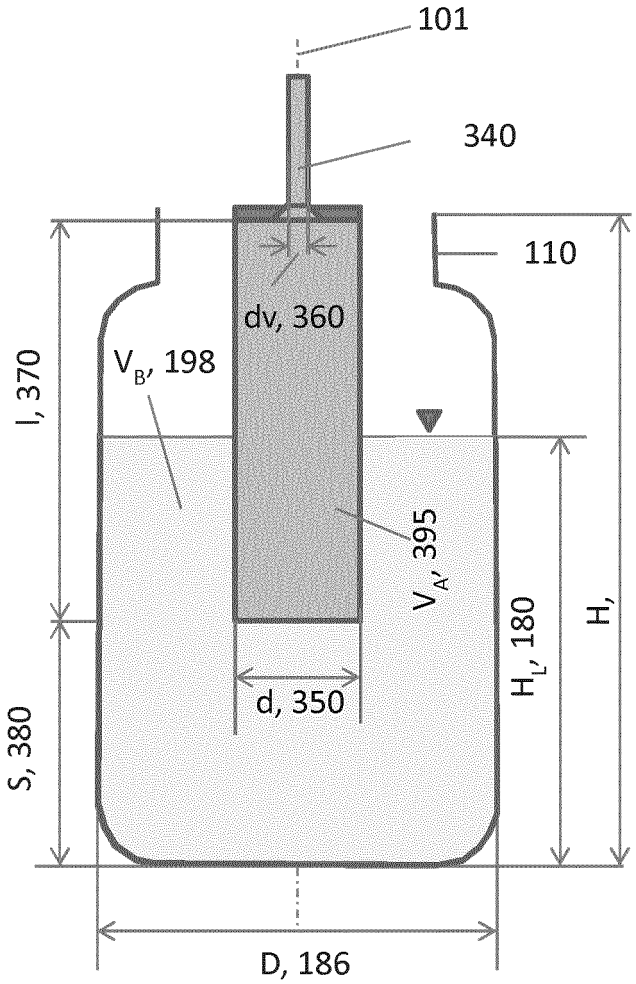
101
340
110
dv, 360
V_B, 198
l, 370
V_A, 395
H_L, 180
H,
S, 380
d, 350
D, 186

Fig. 6

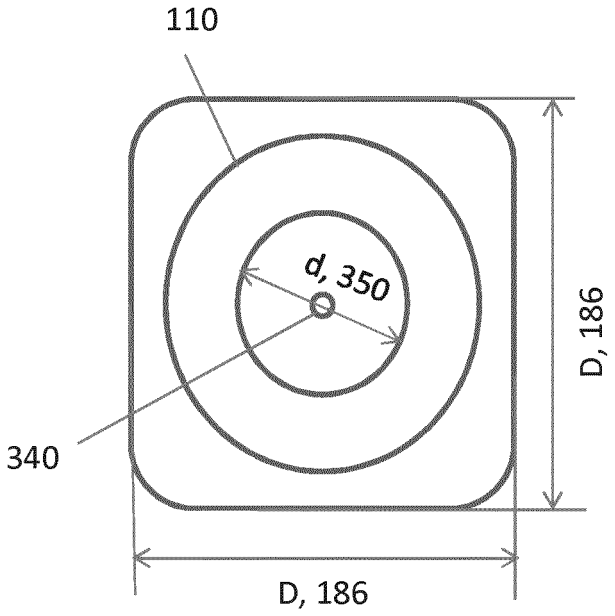
110
d, 350
D, 186
340
D, 186

Fig. 7

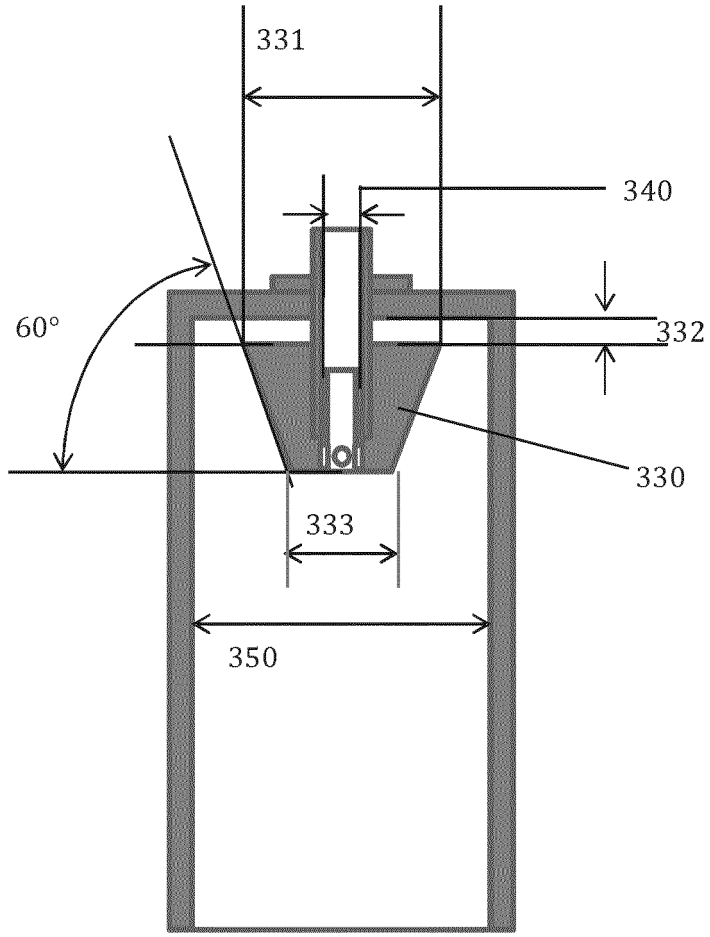

Fig. 8

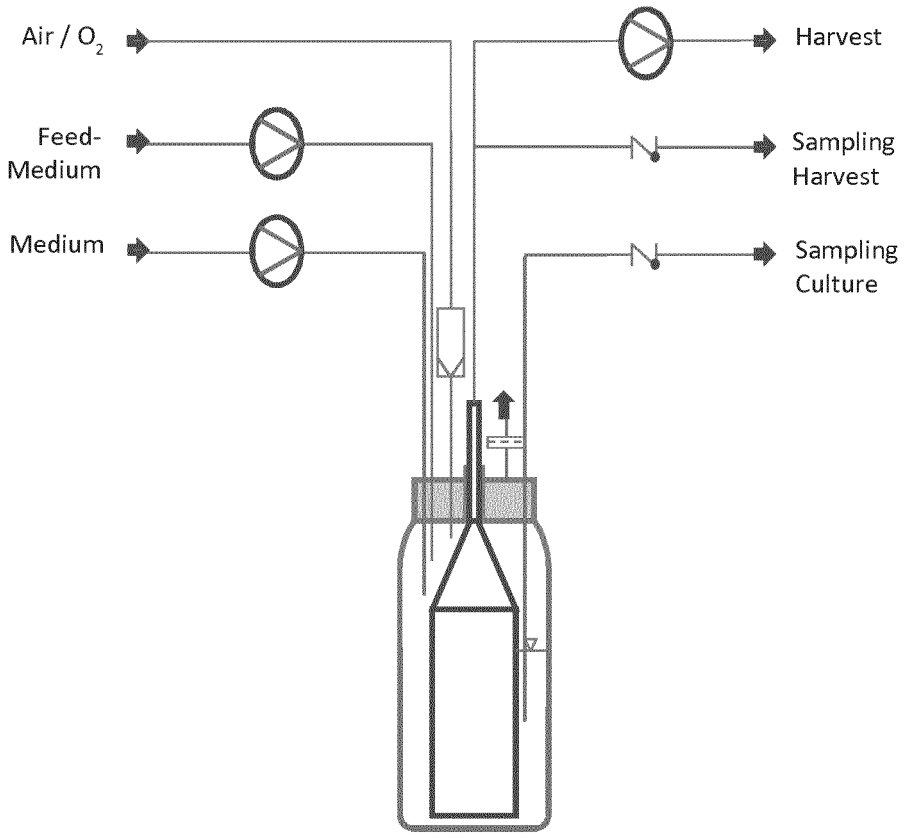
Air / O_2
Feed-
Medium
Medium
Harvest
Sampling
Harvest
Sampling
Culture

Fig. 9

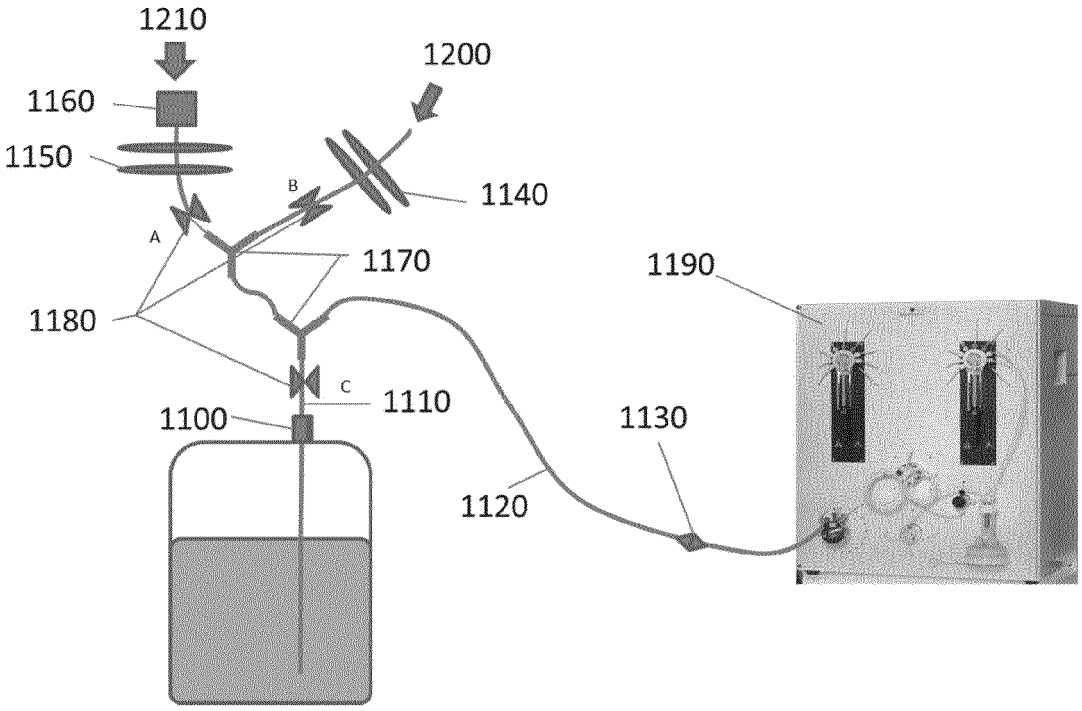
1210
1200
1160
1150
B
1140
A
1170
1190
1180
C
1110
1100
1130
1120

Fig. 10

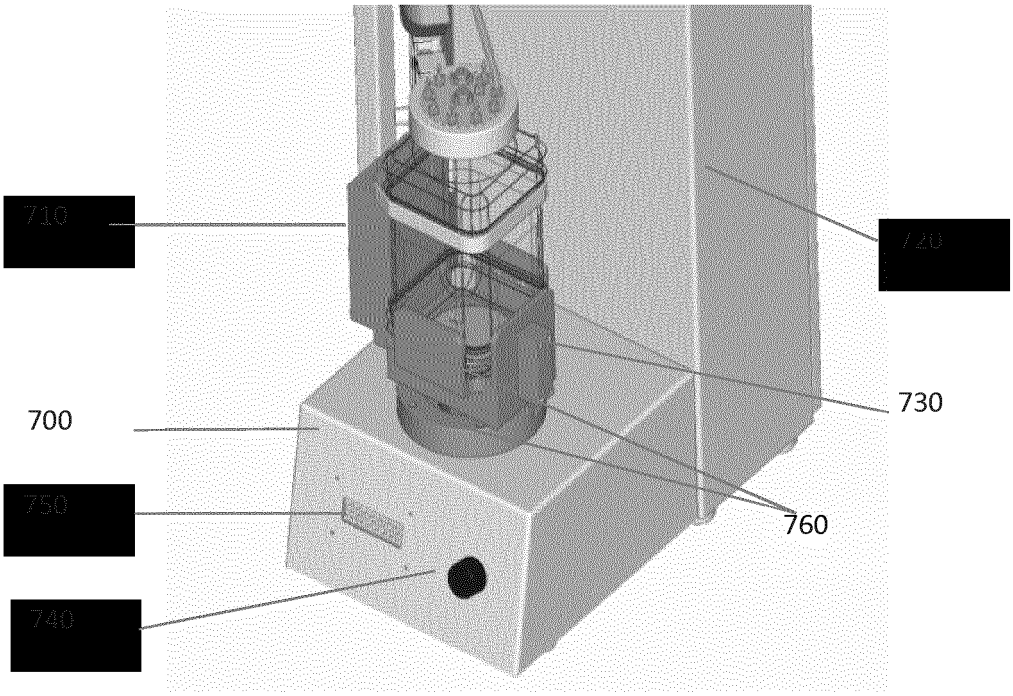
710
720
730
700
750
760
740

Fig. 11

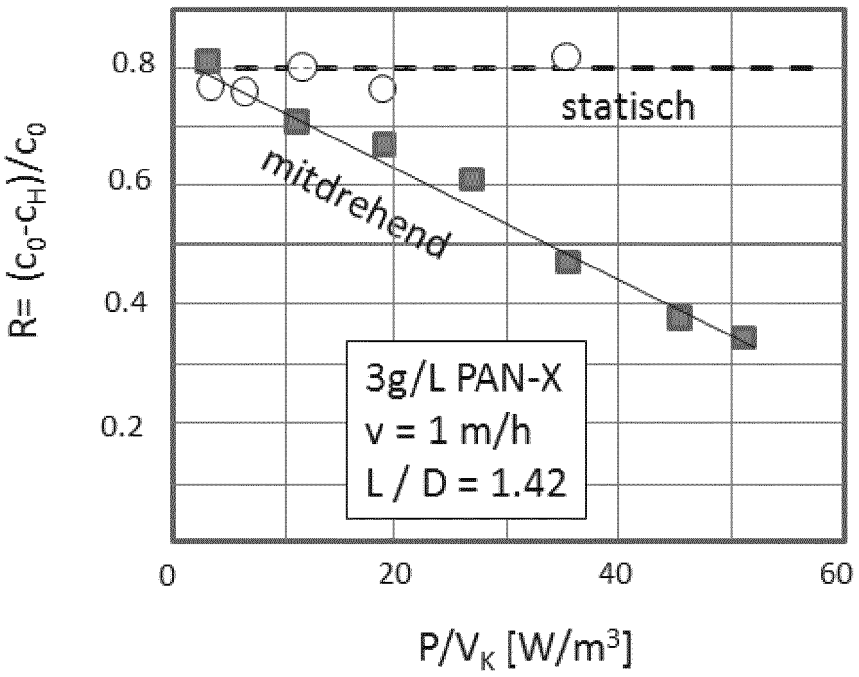
0.8
0.6
0.4
0.2
0
20
40
60
statisch
mitdrehend
3g/L PAN-X
v = 1 m/h
L / D = 1.42
R= (c0-cH)/c0
P/VK [W/m3]

Fig. 12

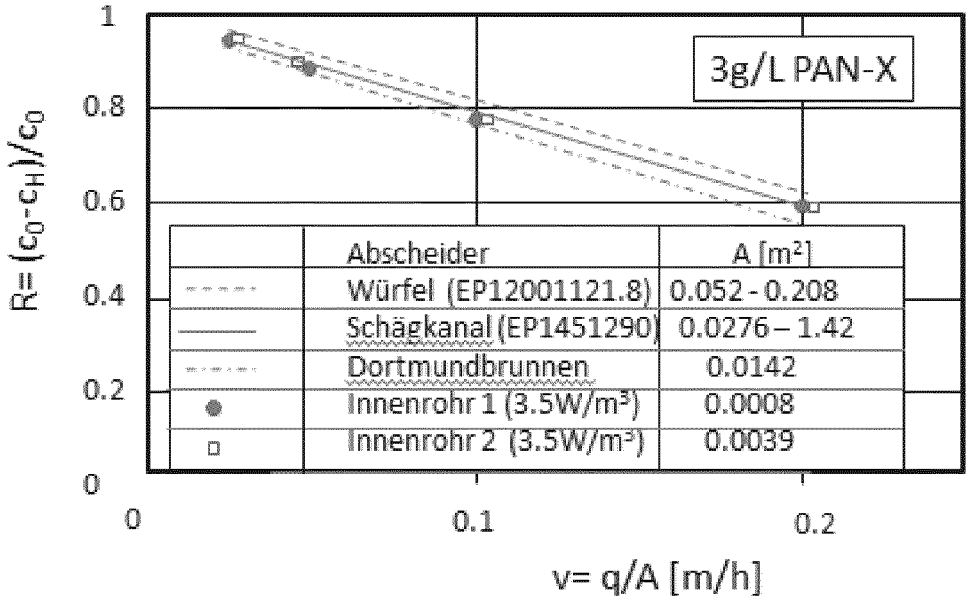
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
3g/L PAN-X
Abscheider
A [m²]
Würfel (EP12001121.8)
0.052 - 0.208
Schägkanal (EP1451290)
0.0276 – 1.42
Dortmundbrunnen
0.0142
Innenrohr 1 (3.5W/m³)
0.0008
Innenrohr 2 (3.5W/m³)
0.0039
R= (c0-cH)/c0
v= q/A [m/h]

Fig. 13