Fig. 1A

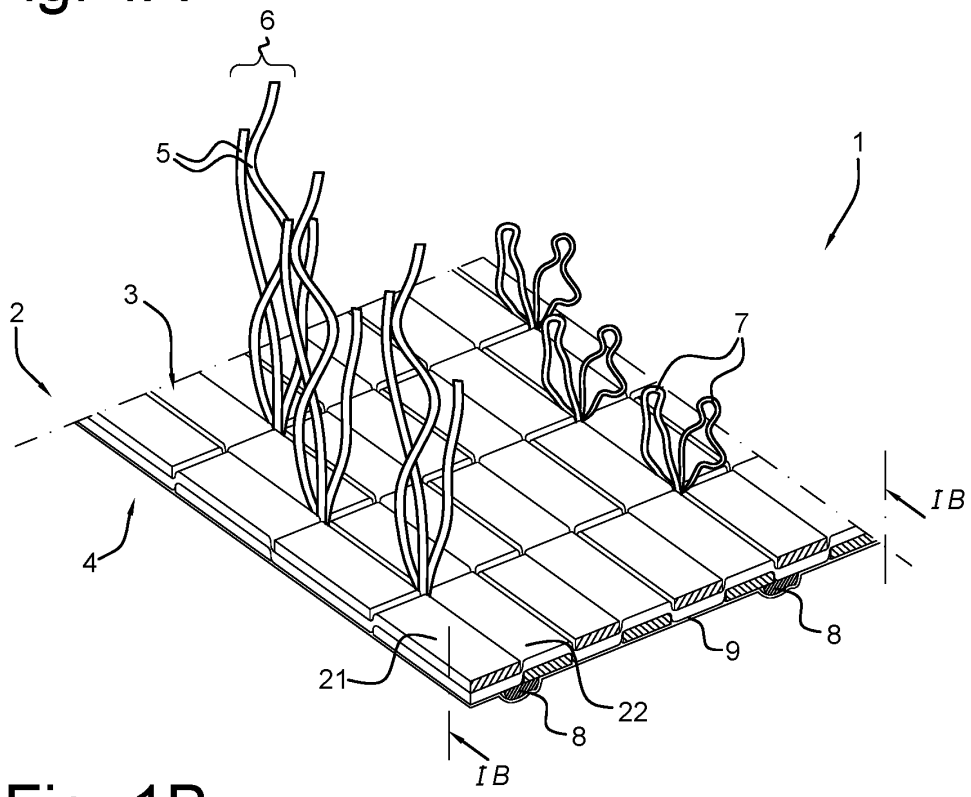


Fig. 1B

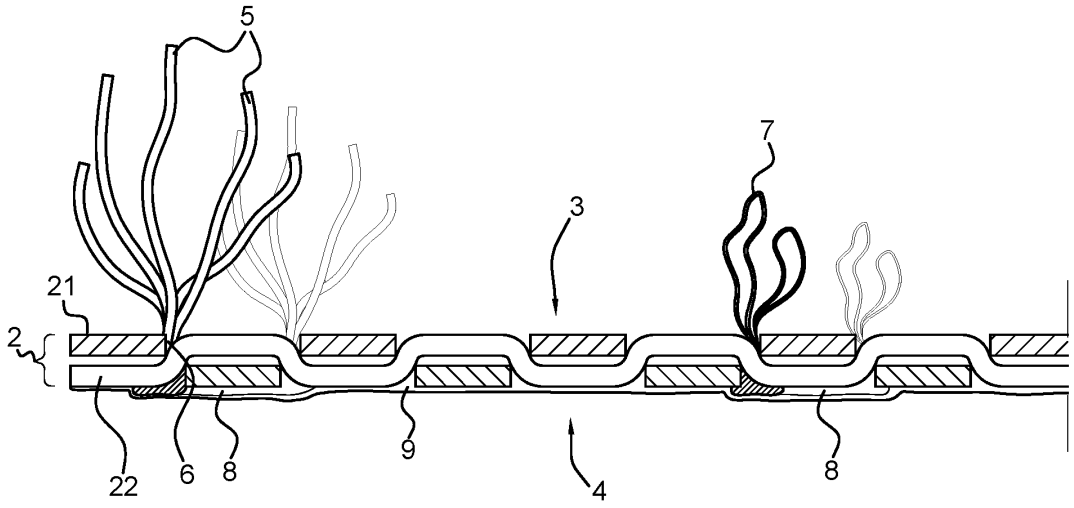


Fig. 2

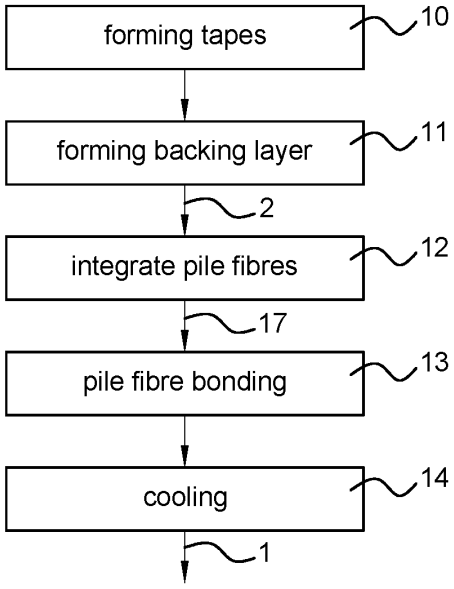

forming tapes
10
forming backing layer
11
2
integrate pile fibres
12
17
pile fibre bonding
13
cooling
14
1

Fig. 3

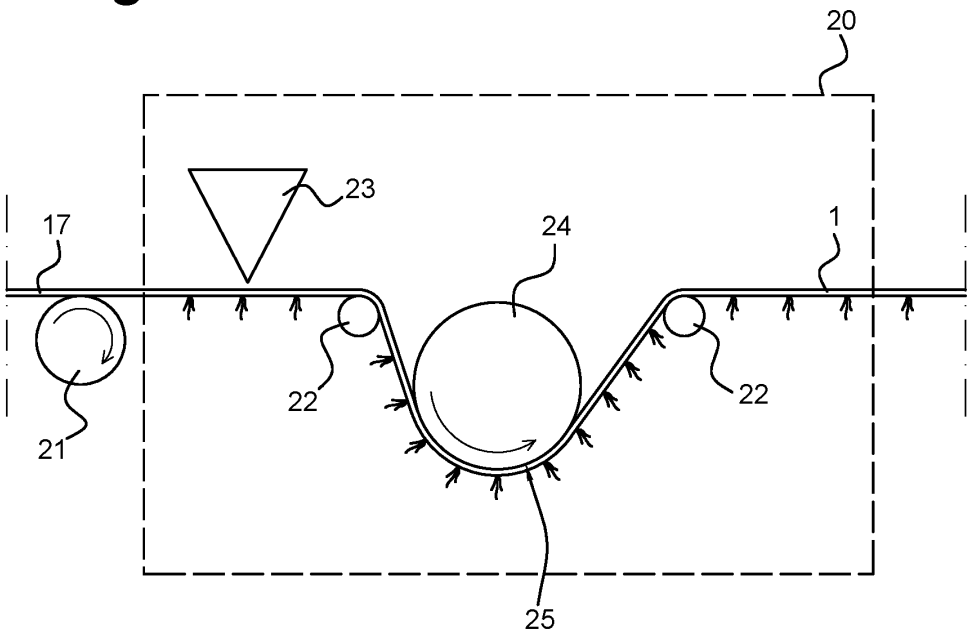

20
23
17
24
1
22
22
21
25

Fig. 4

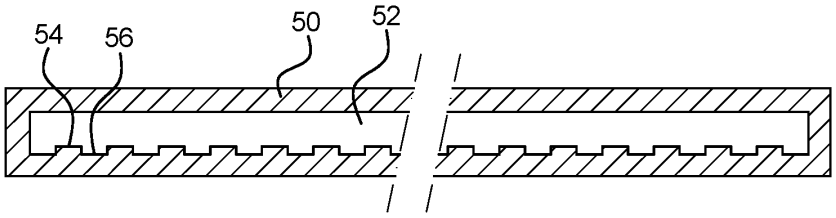
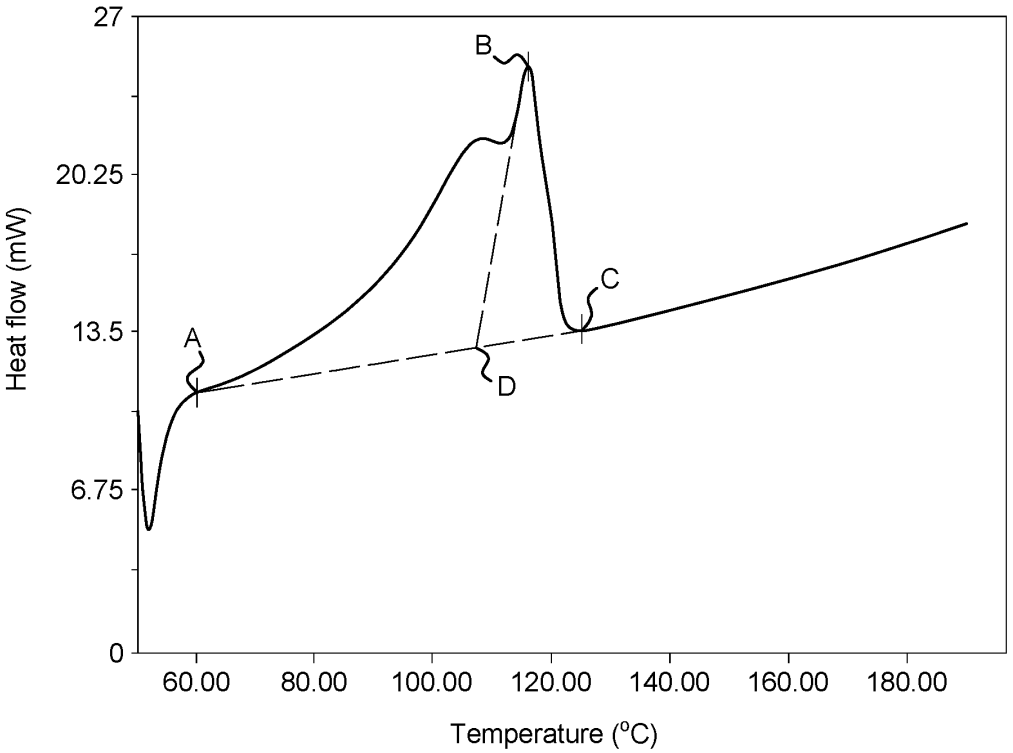

54
56
50
52

Fig. 5


27
20.25
13.5
6.75
0
Heat flow (mW)
A
B
C
D
60.00
80.00
100.00
120.00
140.00
160.00
180.00
Temperature (°C)