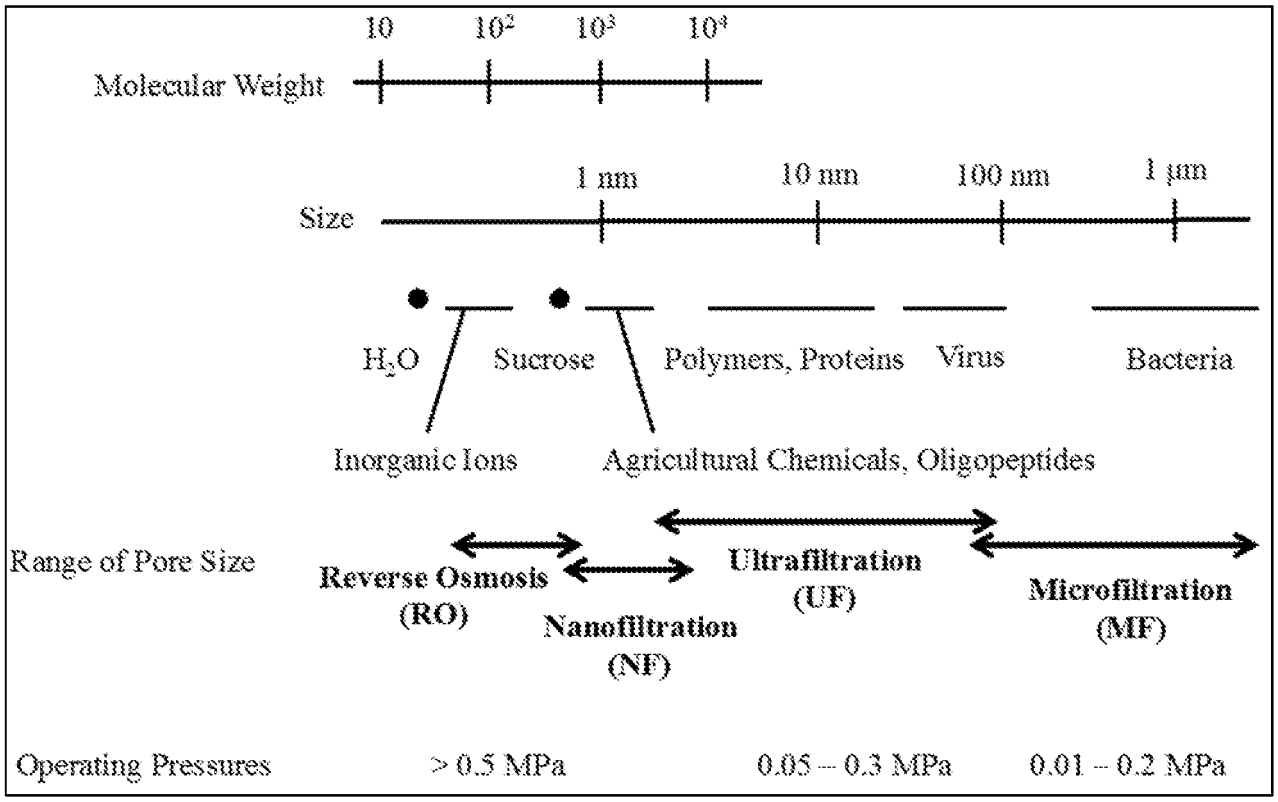

10
10²
10³
10⁴
Molecular Weight
1 nm
10 nm
100 nm
1 μm
Size
H₂O
Sucrose
Polymers, Proteins
Virus
Bacteria
Inorganic Ions
Agricultural Chemicals, Oligopeptides
Range of Pore Size
Reverse Osmosis (RO)
Nanofiltration (NF)
Ultrafiltration (UF)
Microfiltration (MF)
Operating Pressures
> 0.5 MPa
0.05 – 0.3 MPa
0.01 – 0.2 MPa

FIG. 1

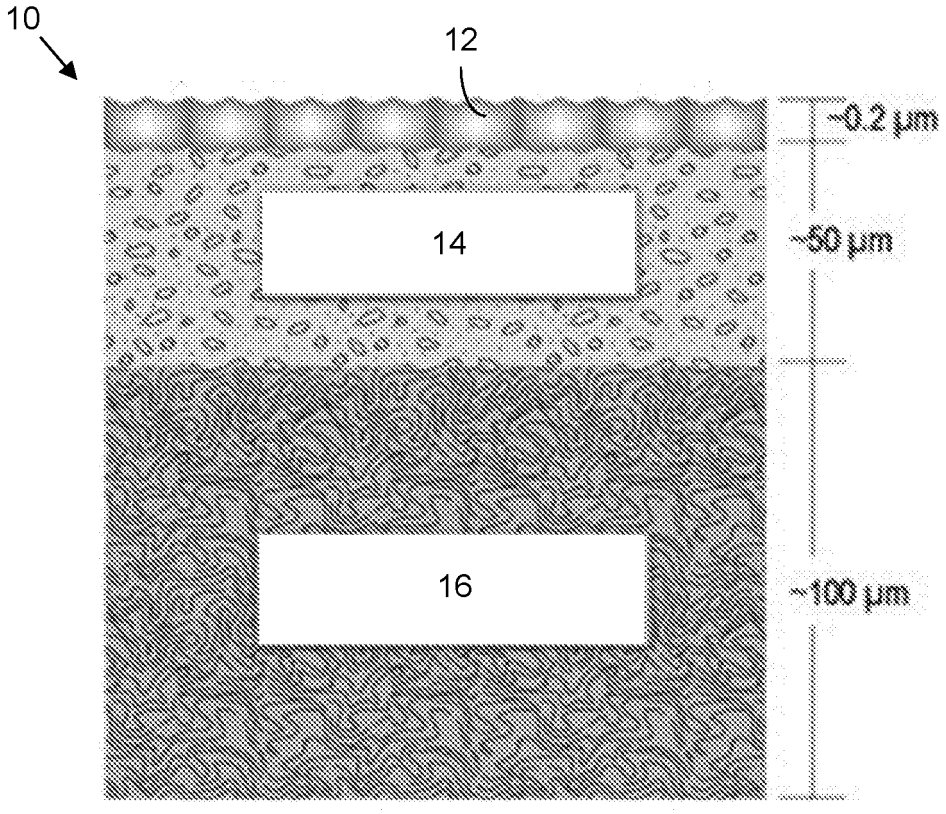

10
12
~0.2 μm
14
~50 μm
16
~100 μm

FIG. 2

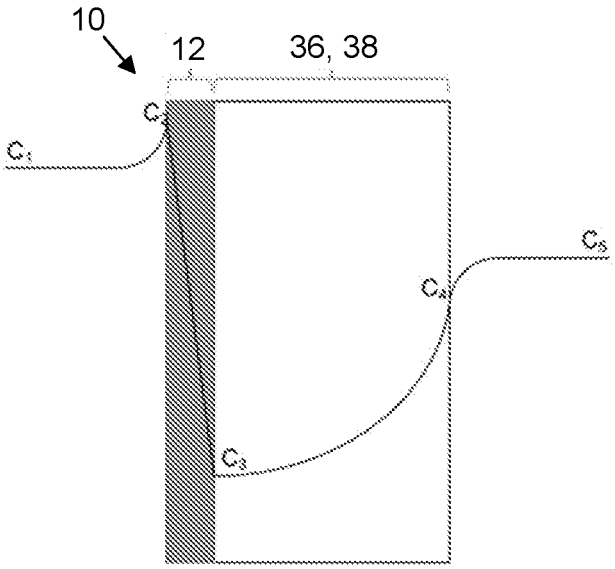


FIG. 3

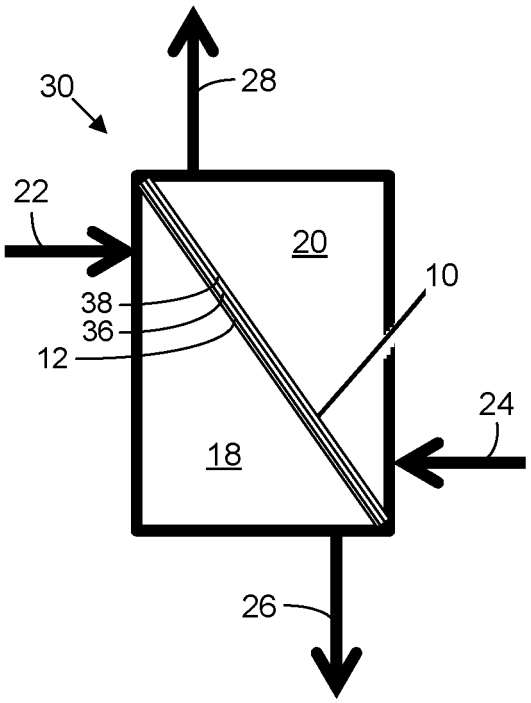


FIG. 6

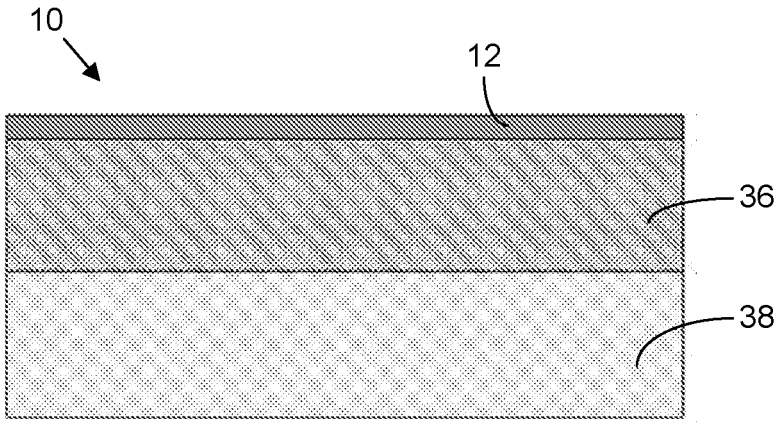


FIG. 4

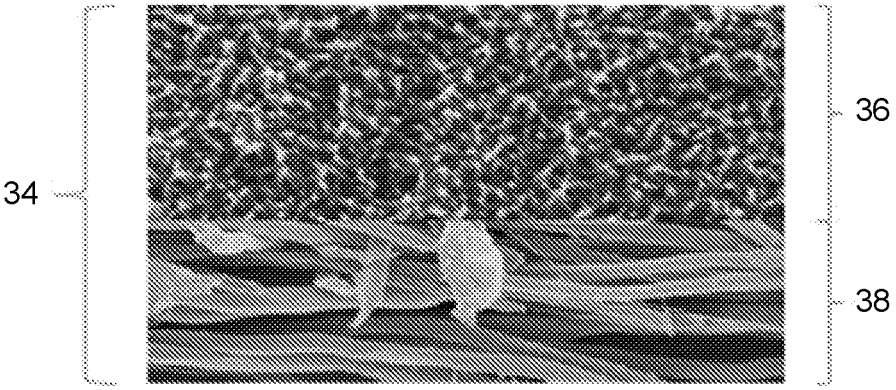


FIG. 5

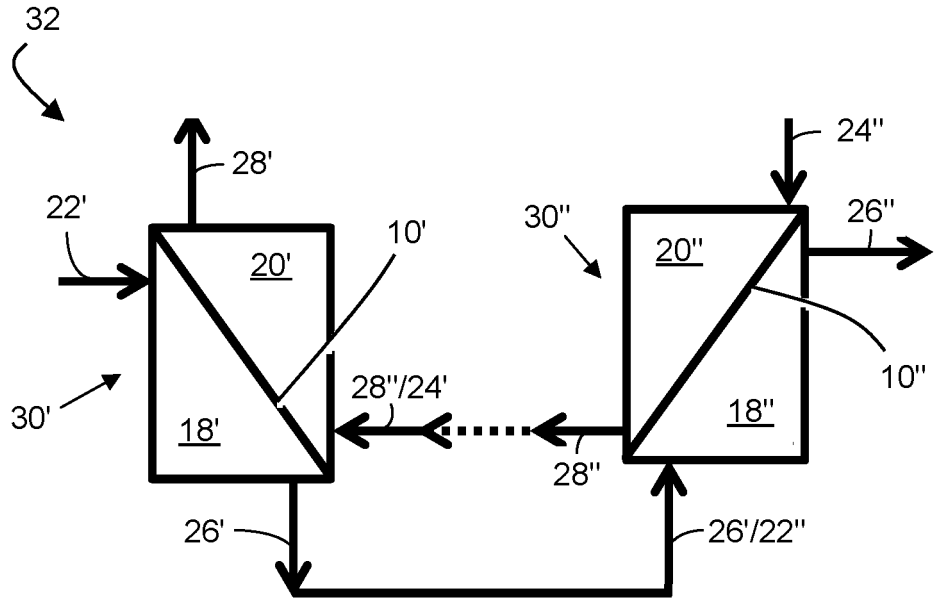

32
28'
22'
10'
20'
30''
20''
24''
26''
10''
30'
18'
28''/24'
18''
28''
26'
26'/22''

FIG. 7

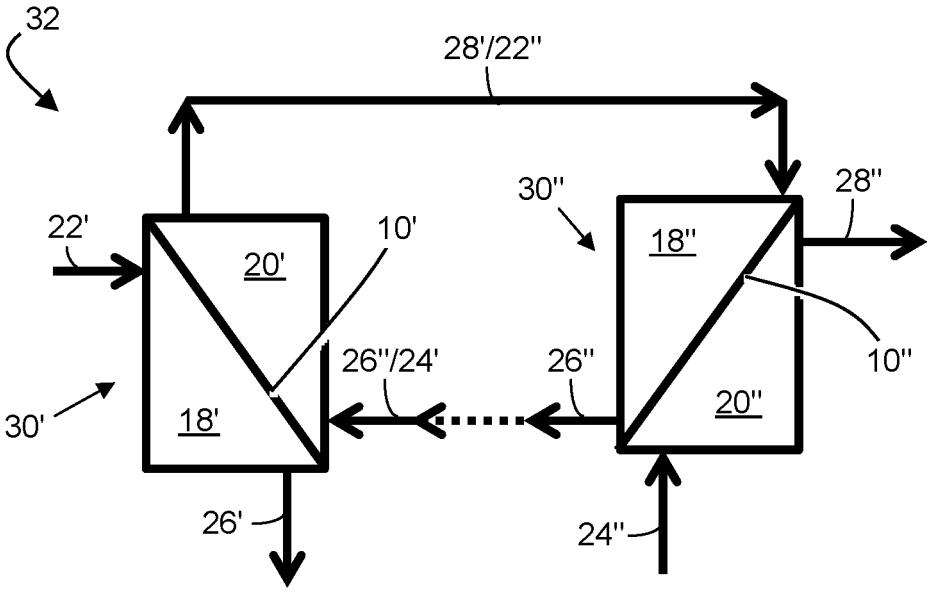

32
28'/22''
30''
28''
22'
10'
20'
18''
10''
26''/24'
26''
30'
18'
20''
26'
24''

FIG. 8