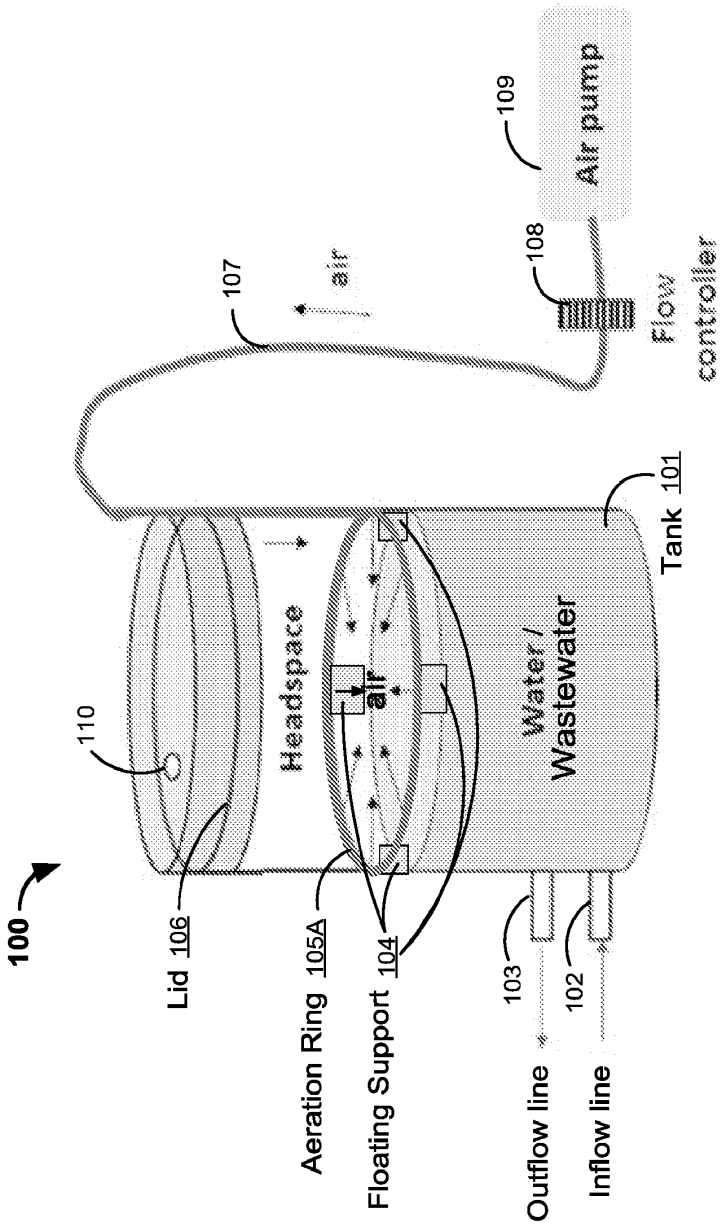

100
Lid 106
110
Aeration Ring 105A
Floating Support 104
Headspace
air
Water / Wastewater
Tank 101
Outflow line
Inflow line
103
102
107
air
108
Flow controller
109
Air pump

FIG. 1A

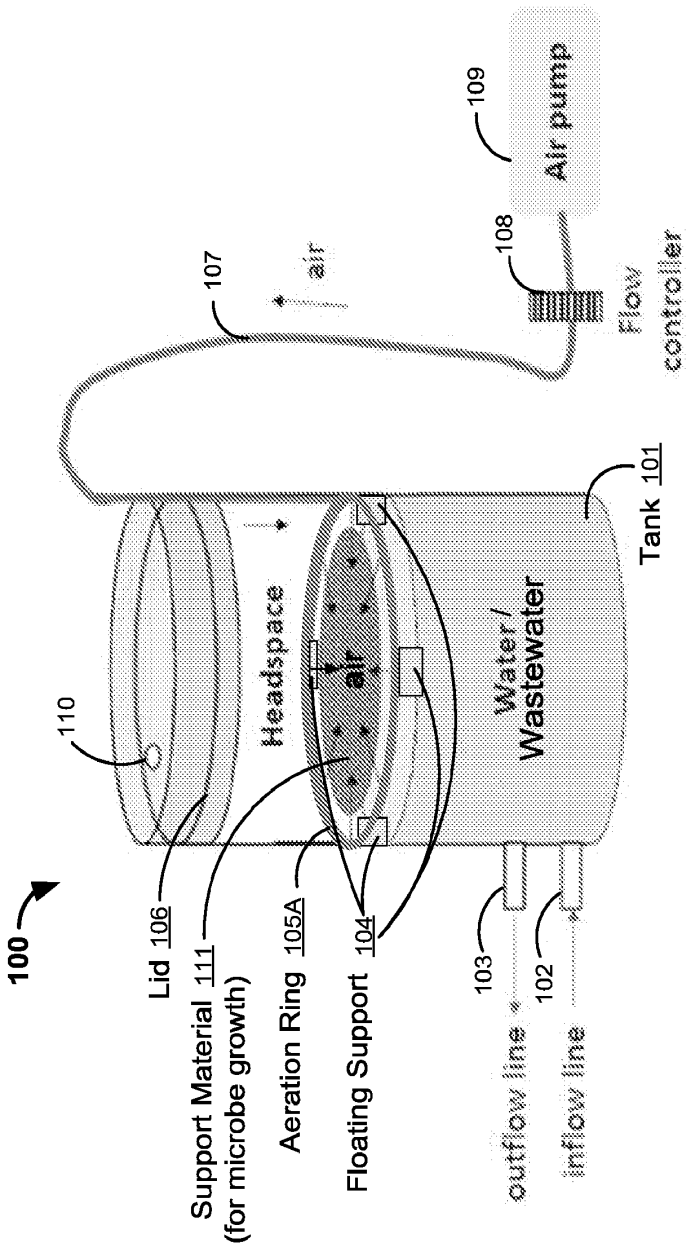

100
110
Lid 106
Support Material 111
(for microbe growth)
Aeration Ring 105A
Floating Support 104
Headspace
air
Water/
Wastewater
Tank 101
103
102
outflow line
inflow line
107
air
108
Flow
controller
109
Air pump

FIG. 1B

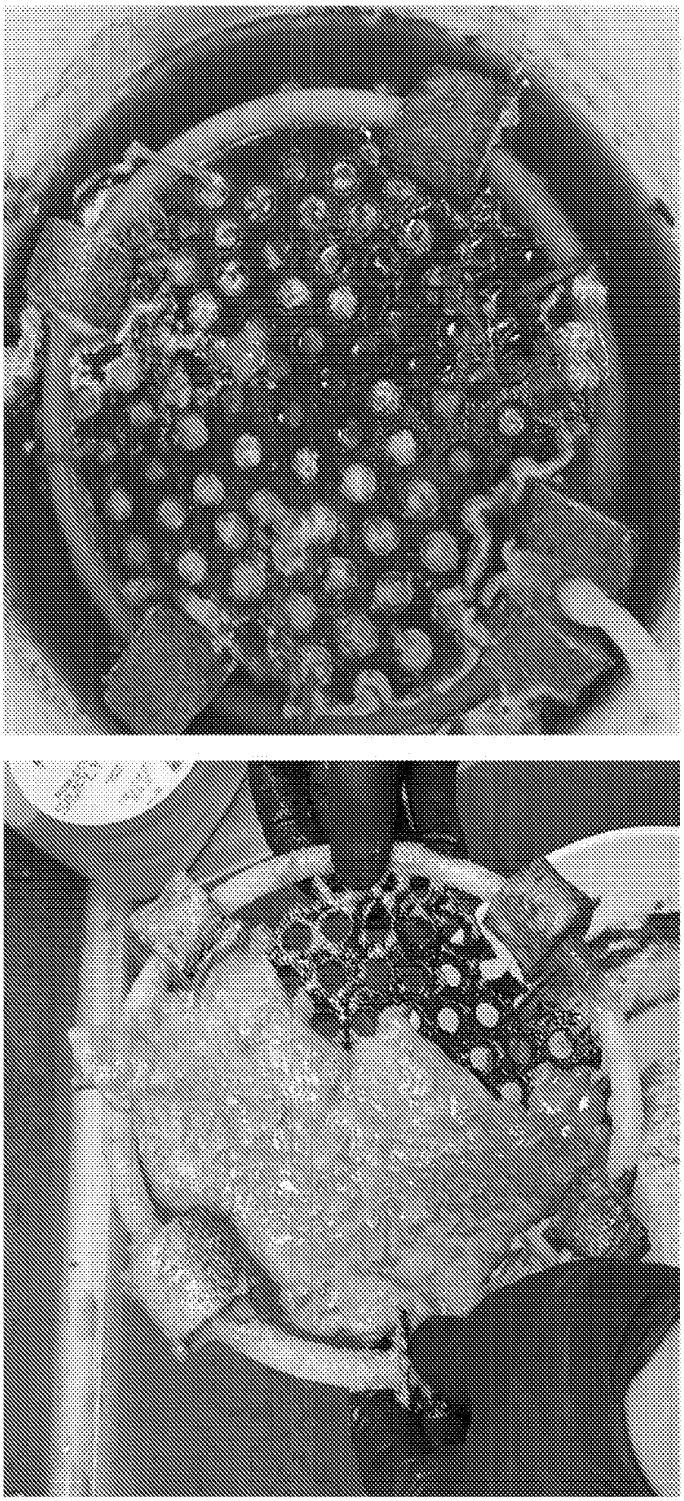


FIG. 1C

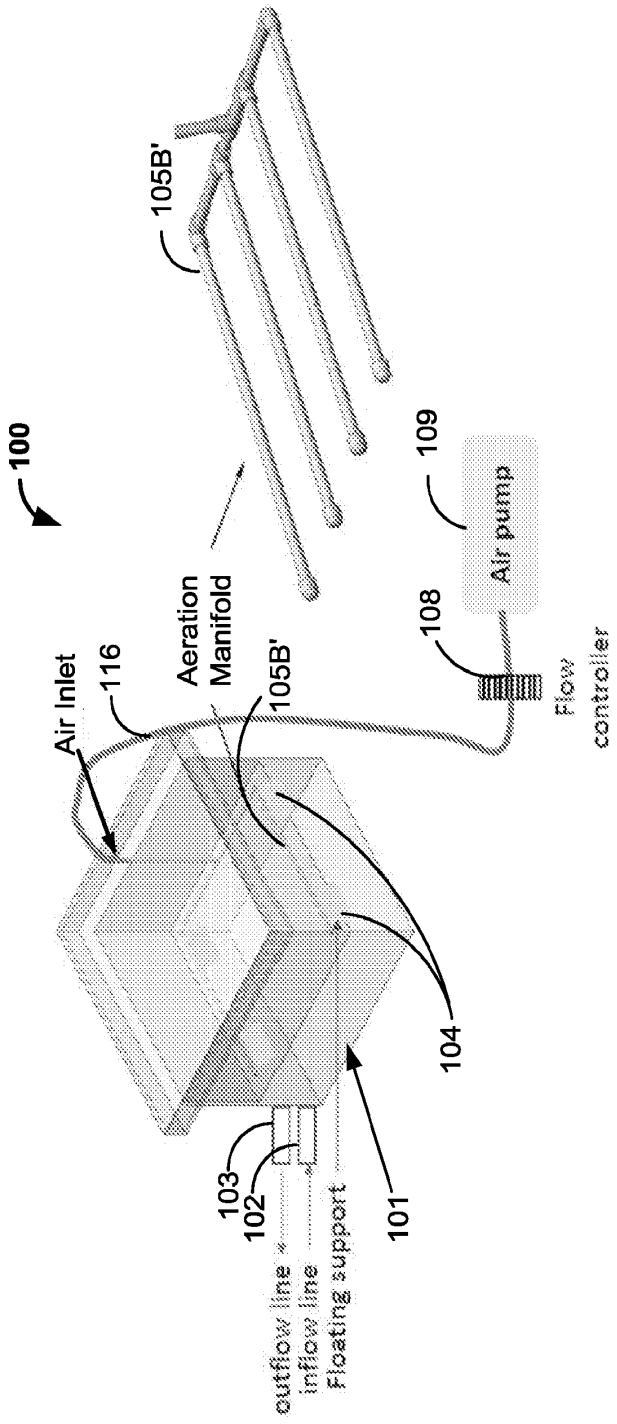

100
105B'
109
Air pump
108
Flow controller
Aeration Manifold
105B'
Air Inlet
116
104
103
102
101
outflow line
inflow line
Floating support

FIG. 1D

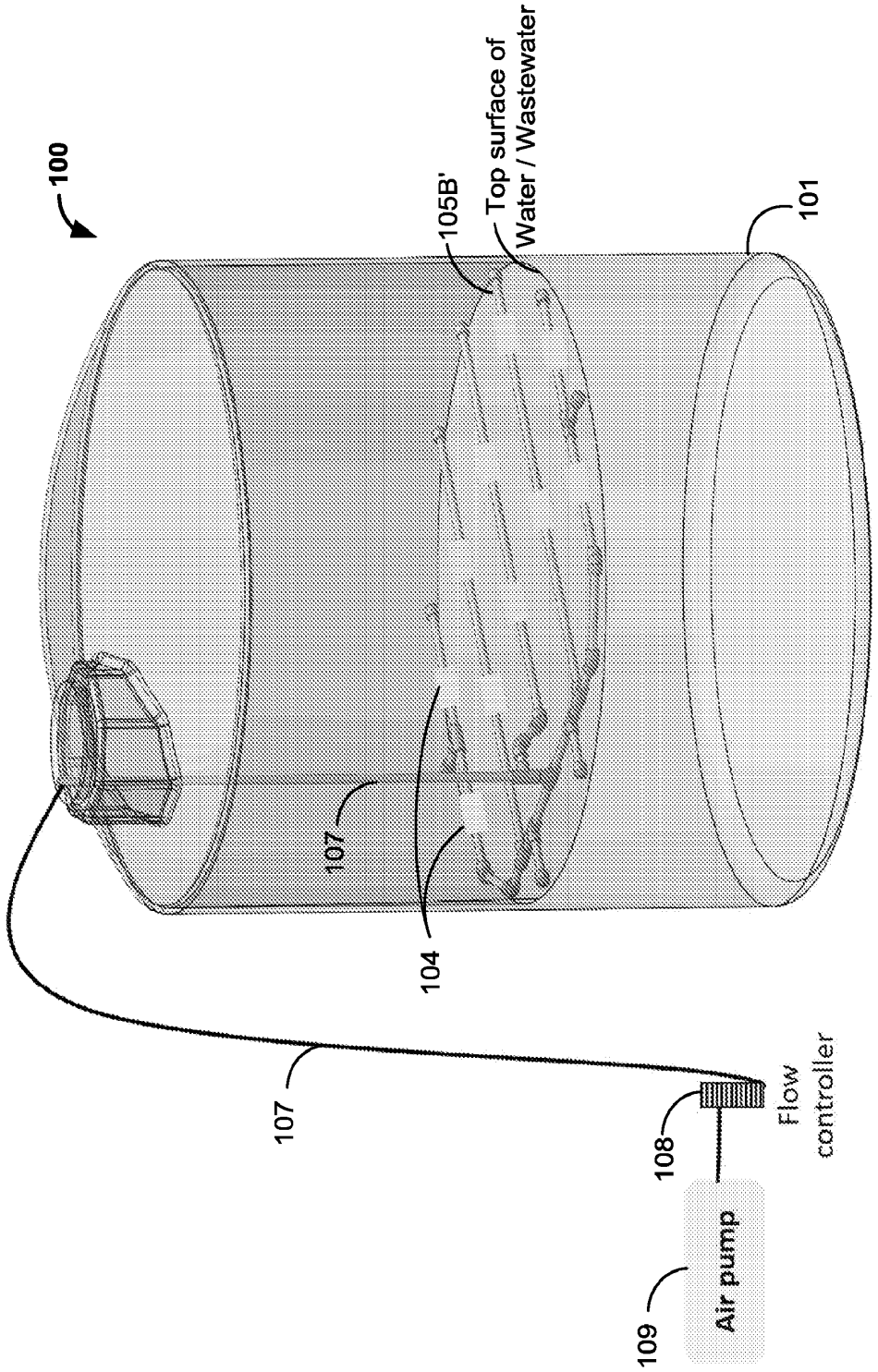

100
105B'
Top surface of
Water / Wastewater
101
107
104
107
108
Flow
controller
109
Air pump

FIG. 1E

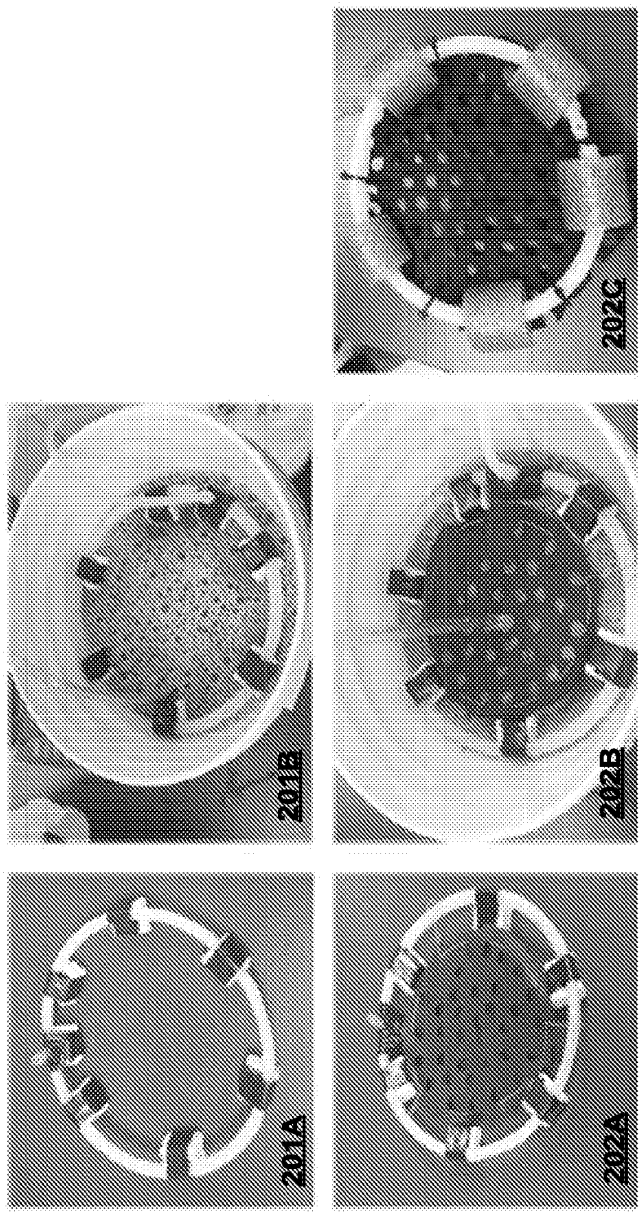


FIG. 2A

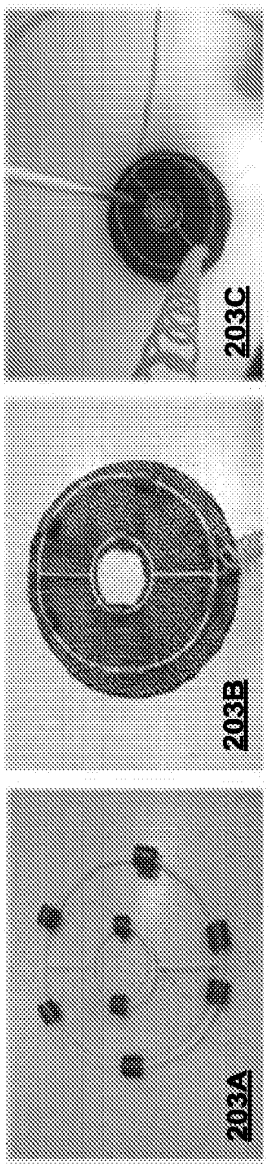


FIG. 2B

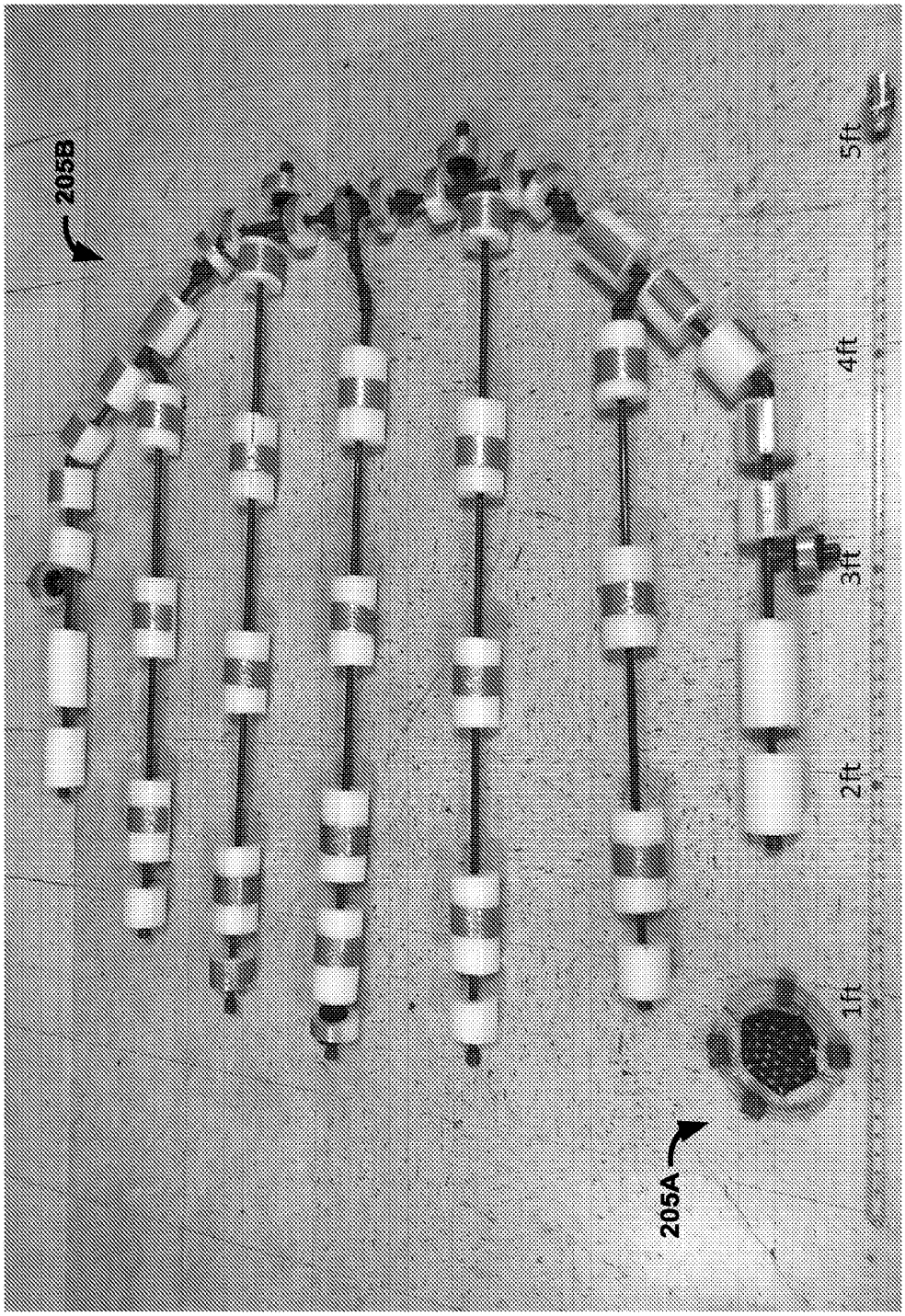


FIG. 2C

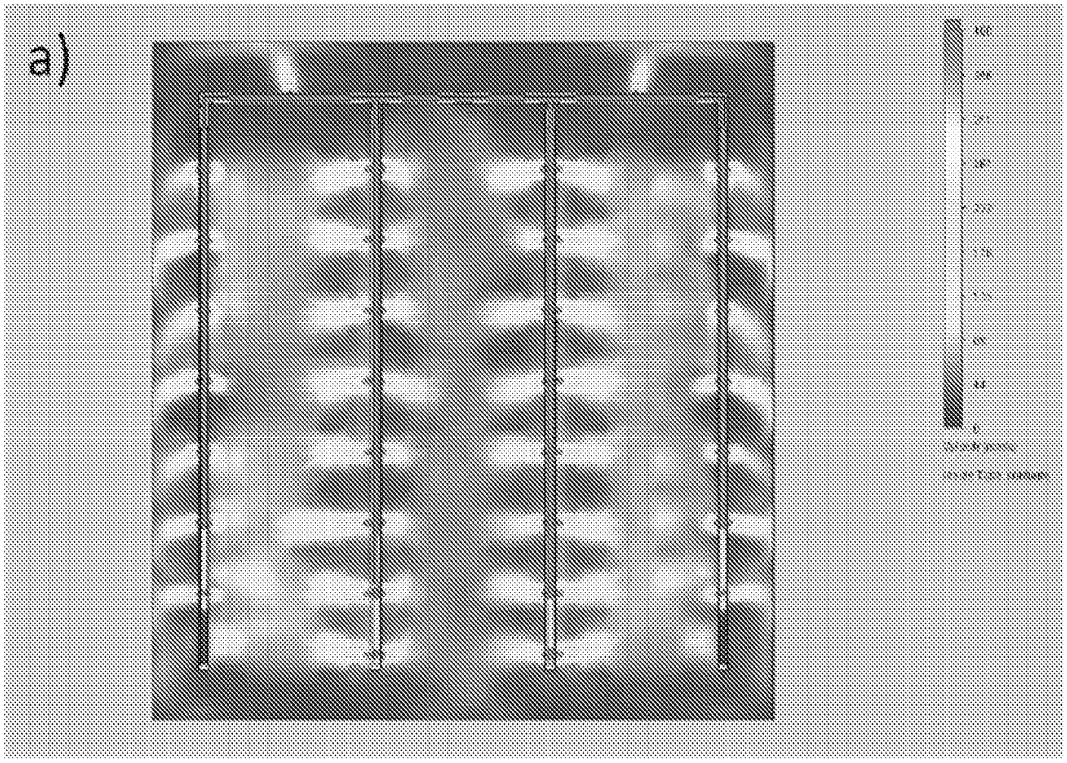


FIG. 3A

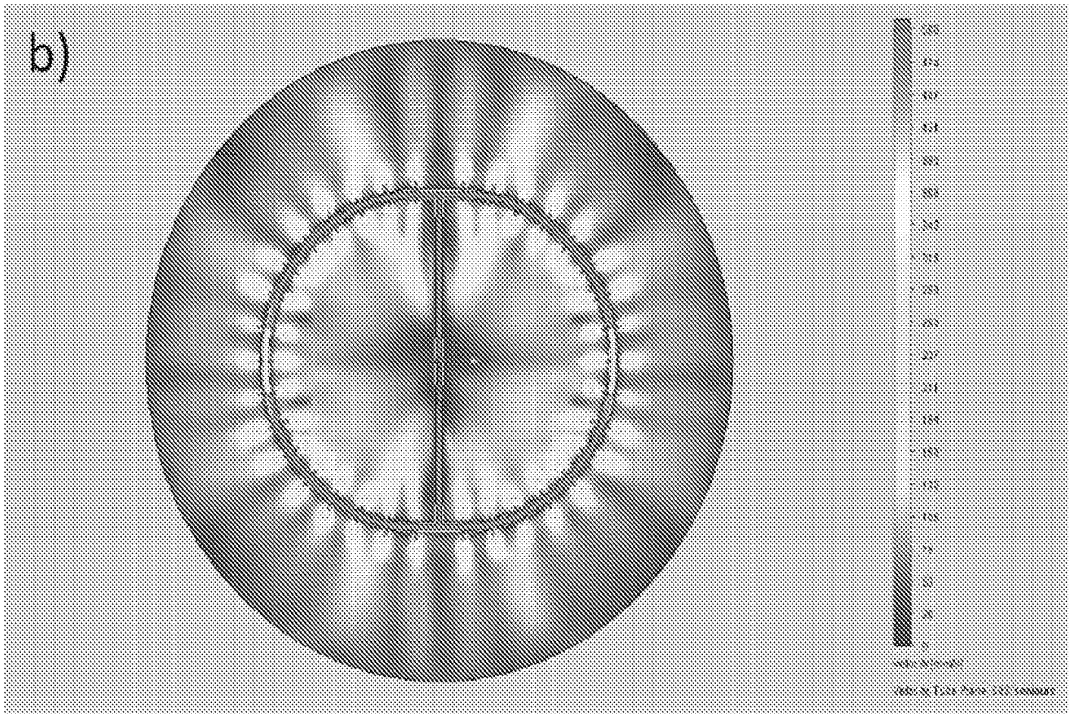


FIG. 3B

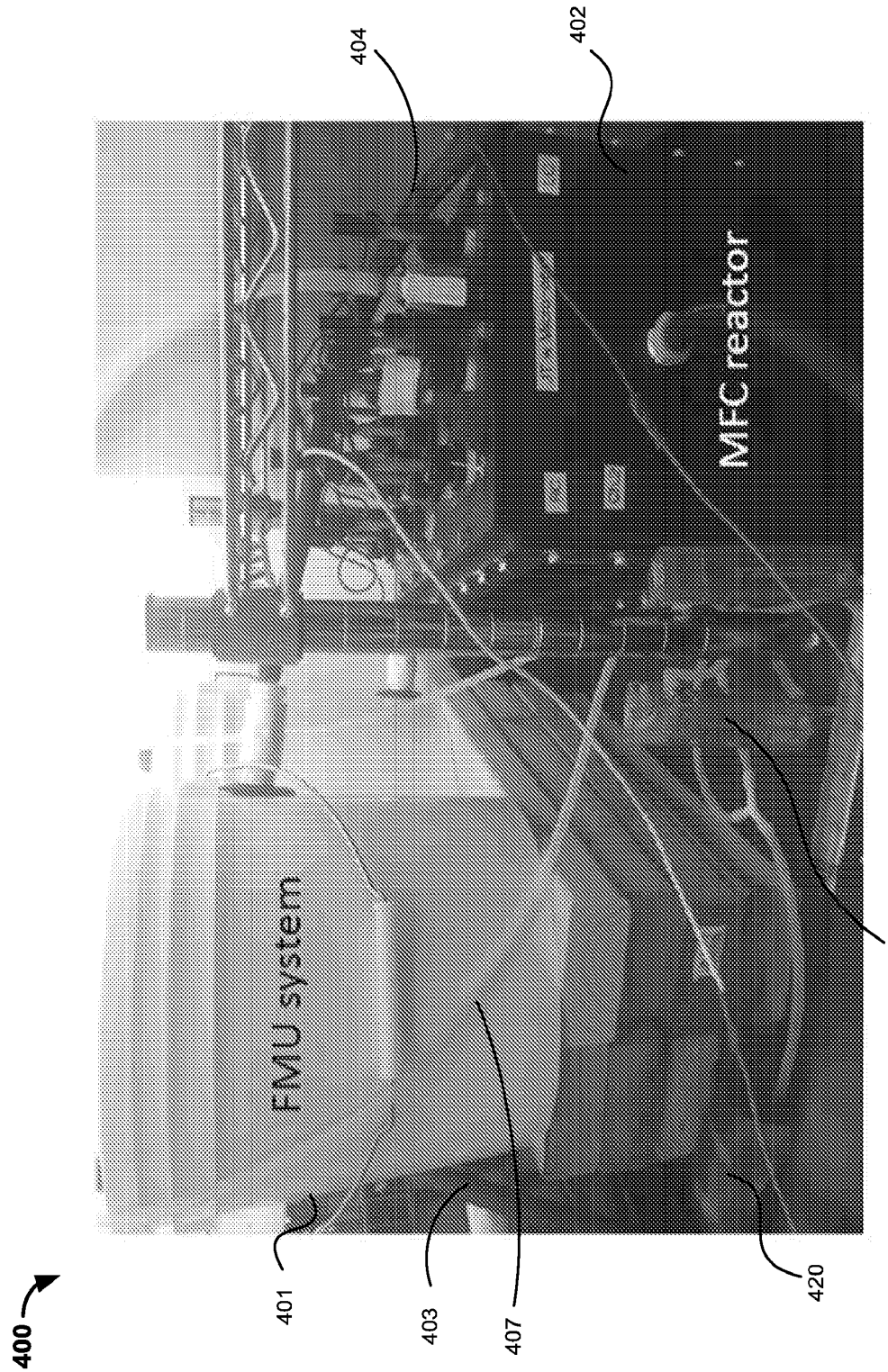


FIG. 4

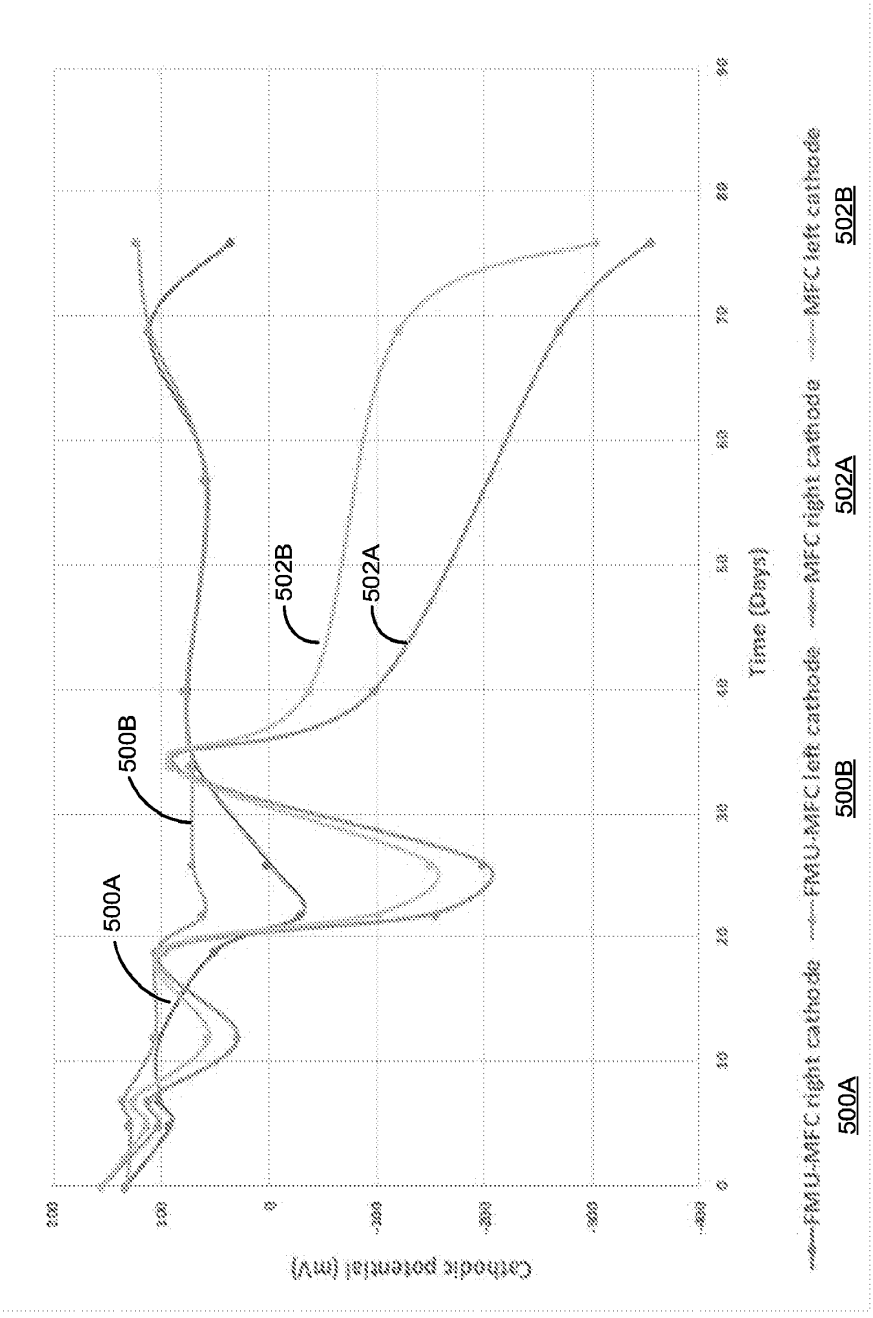

Cathode potential (mV)
Time (Days)
500A
500B
502A
502B
FMU-MFC right cathode
FMU-MFC left cathode
MFC right cathode
MFC left cathode

FIG. 5

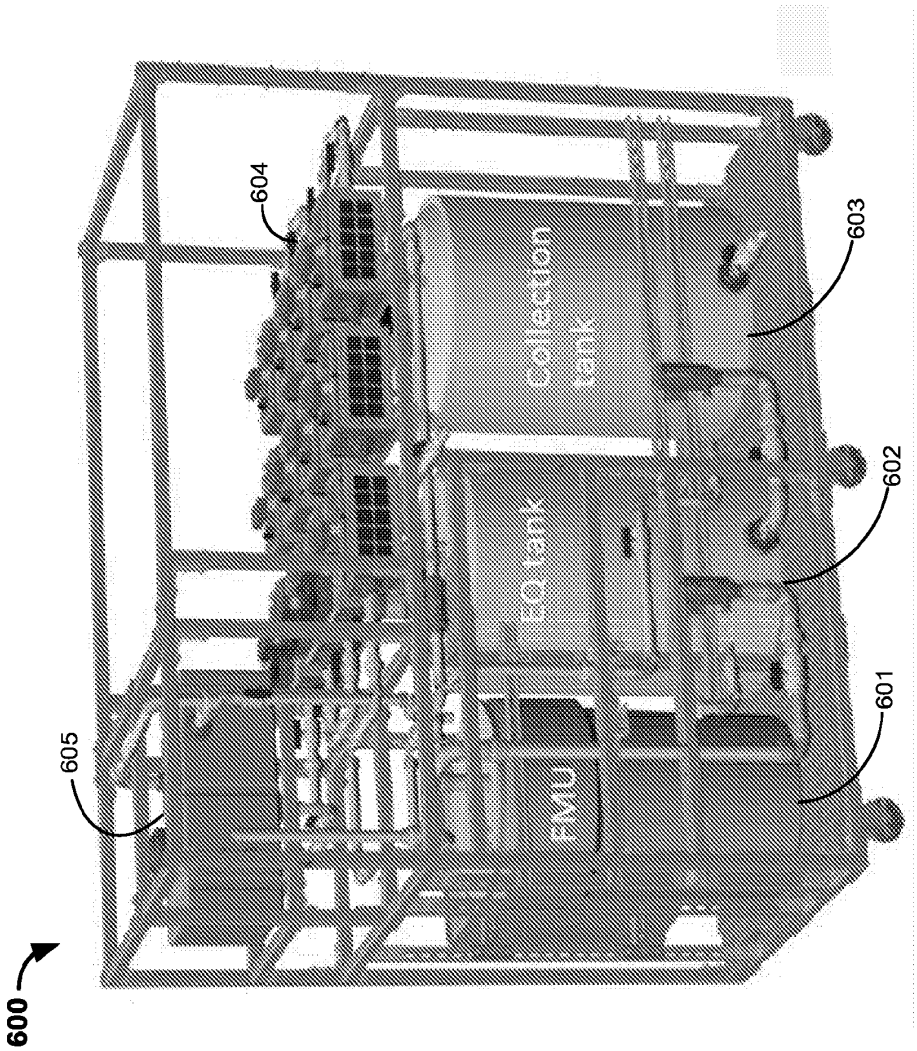


FIG. 6

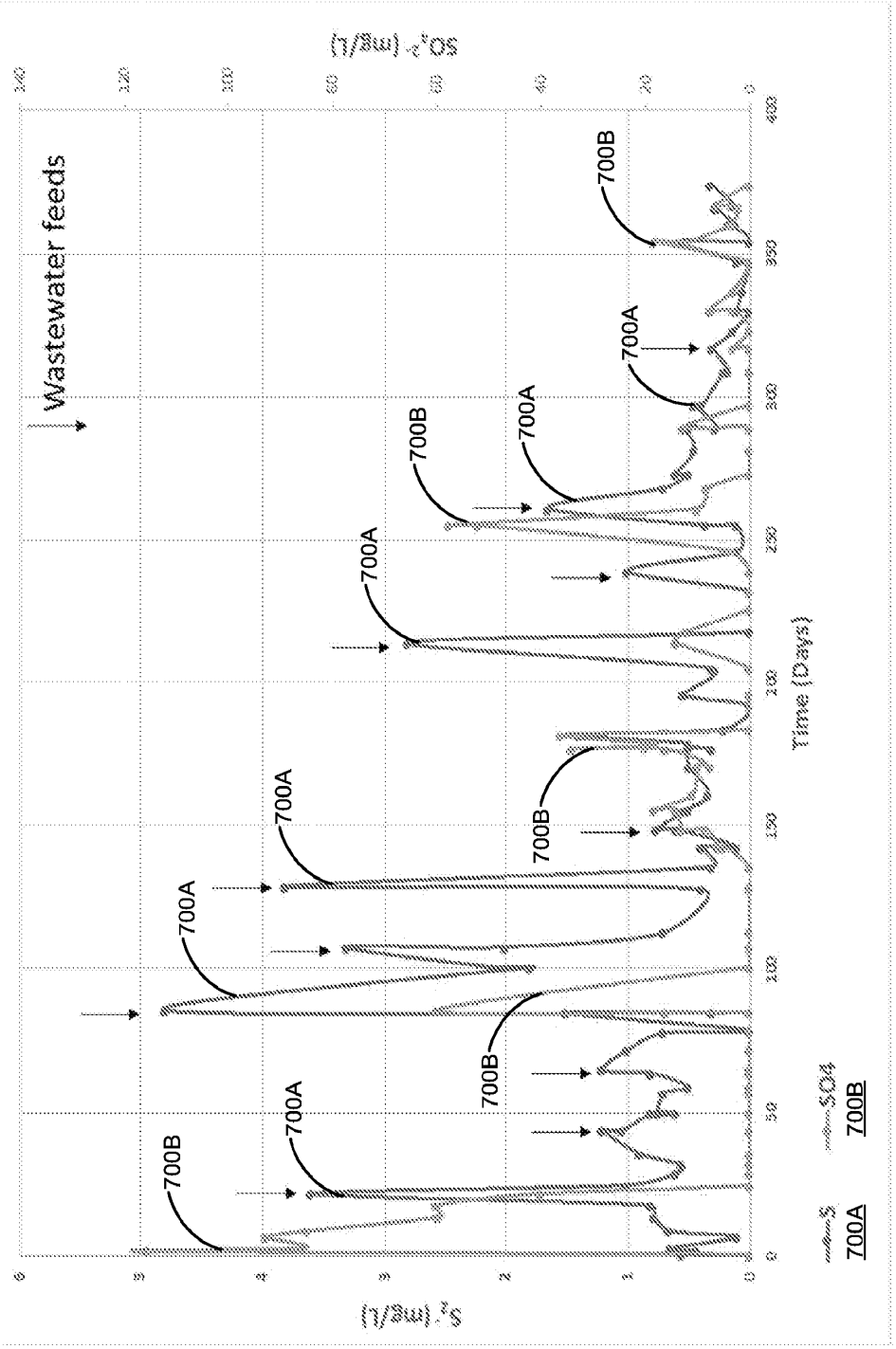

Wastewater feeds
700A
700B
Time (Days)
S_2 (mg/L)
SO_4^{2-} (mg/L)
S_2
SO_4
700A
700B

FIG. 7

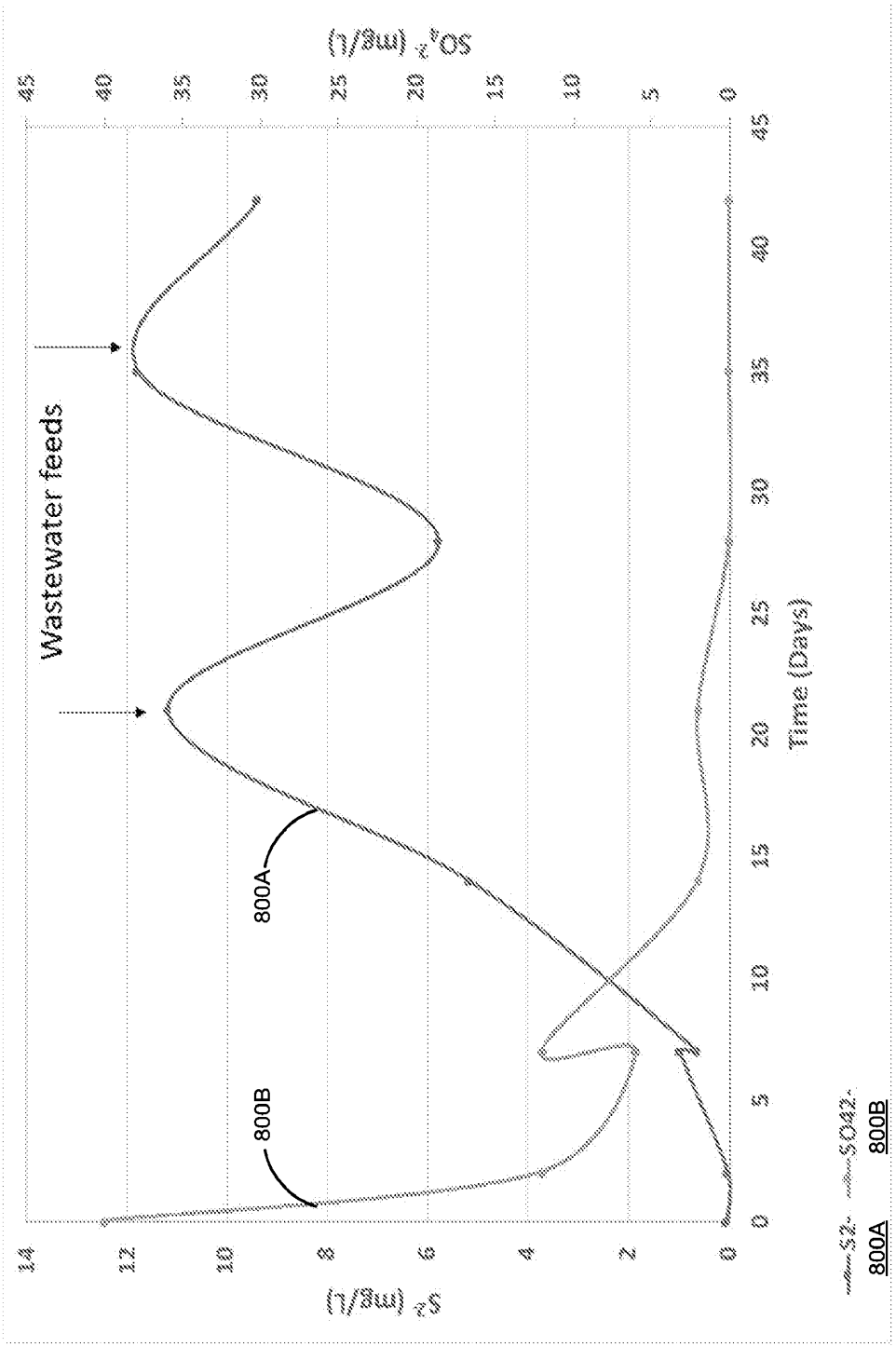

Wastewater feeds
800A
800B
Time (Days)
S^{2-} (mg/L)
SO_4^{2-} (mg/L)
S^{2-}
SO_4^{2-}
800A
800B

FIG. 8A

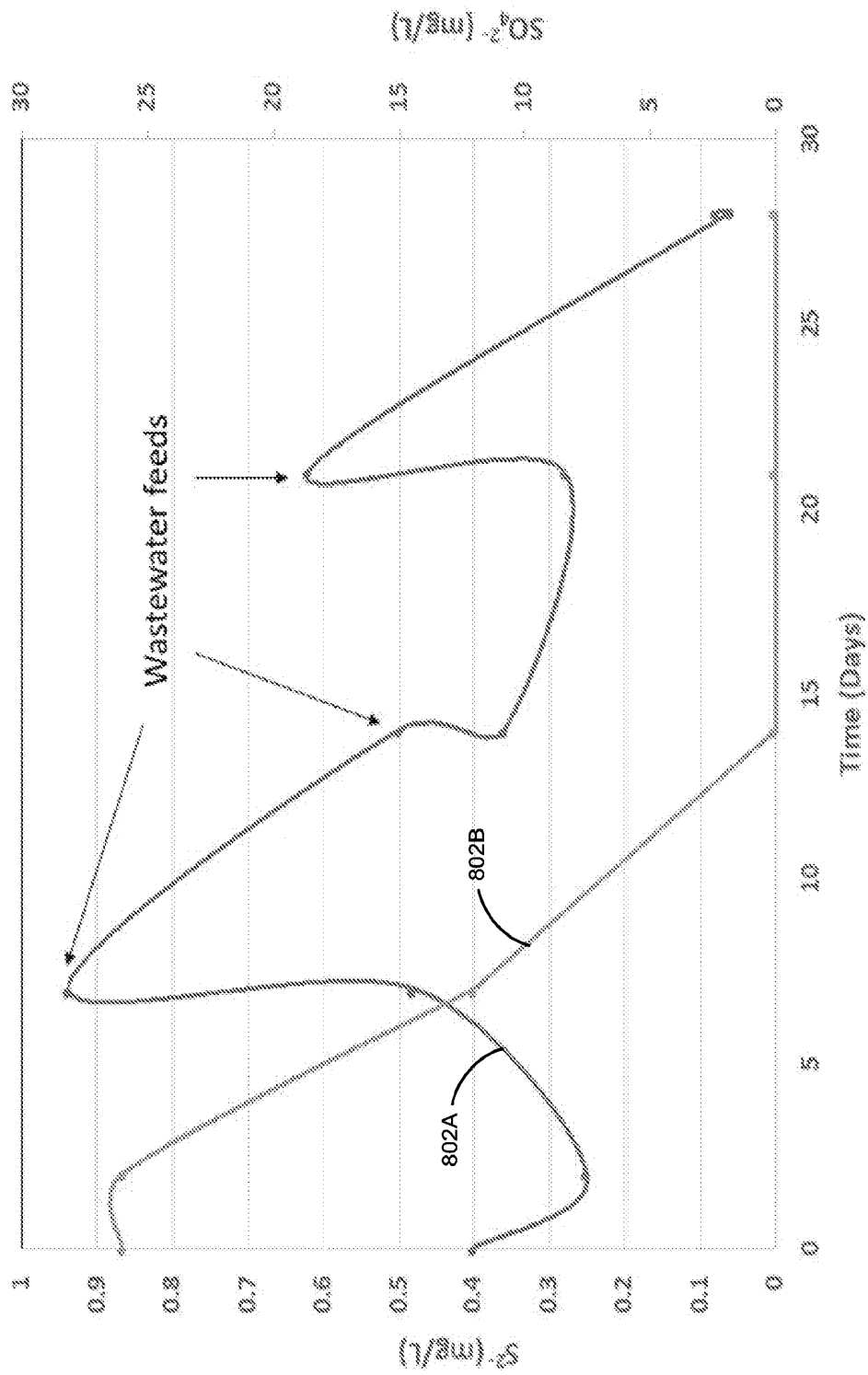

Wastewater feeds
802A
802B
Time (Days)
S^{2-} (mg/L)
SO_4^{2-} (mg/L)
802A
802B

FIG. 8B