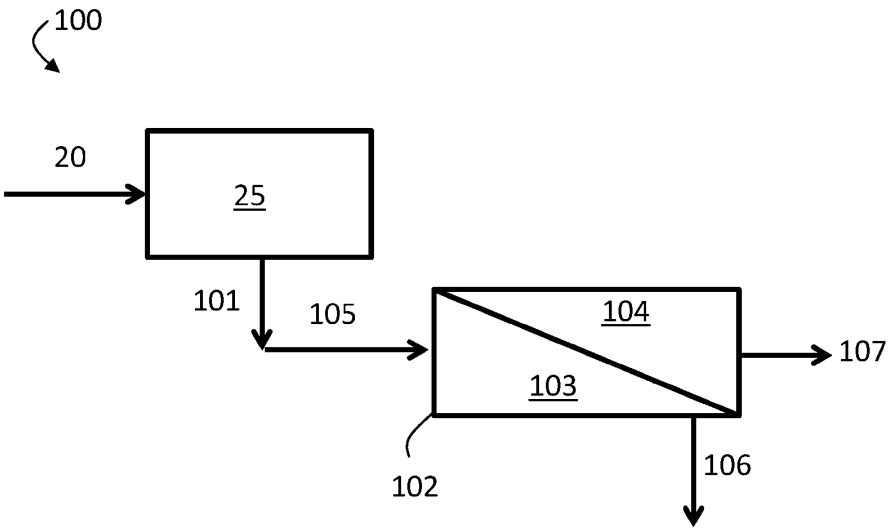

100
20
25
101
105
104
103
107
102
106

FIG. 1

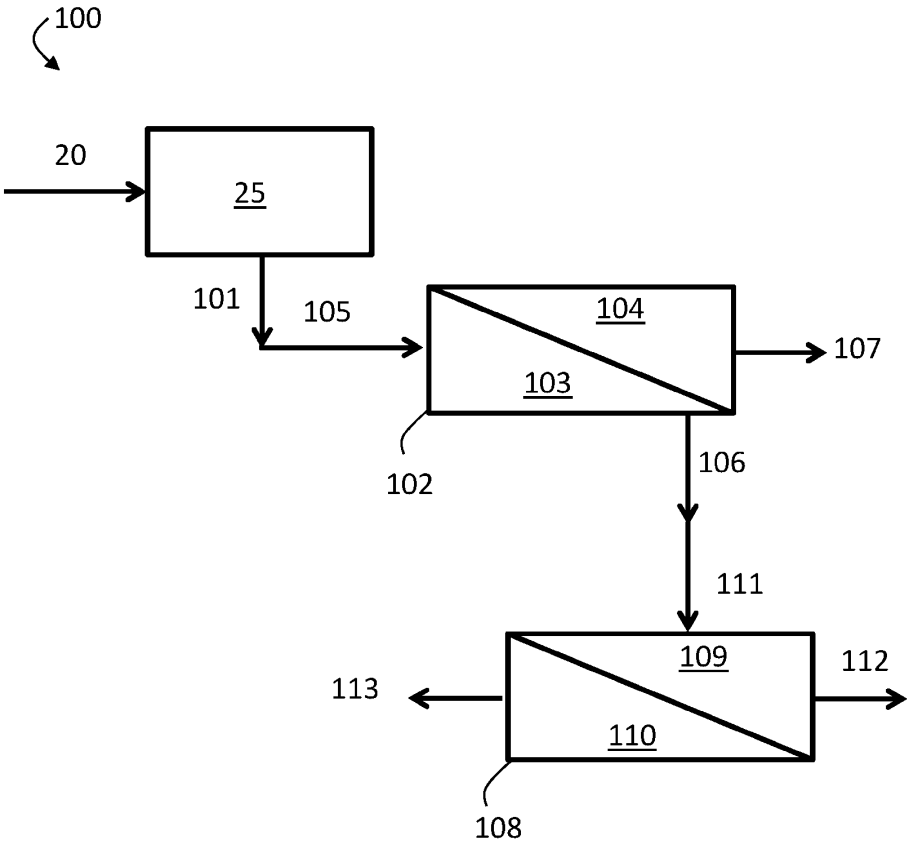

100
20
25
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105
104
103
107
102
106
111
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112
113
110
108

FIG. 2

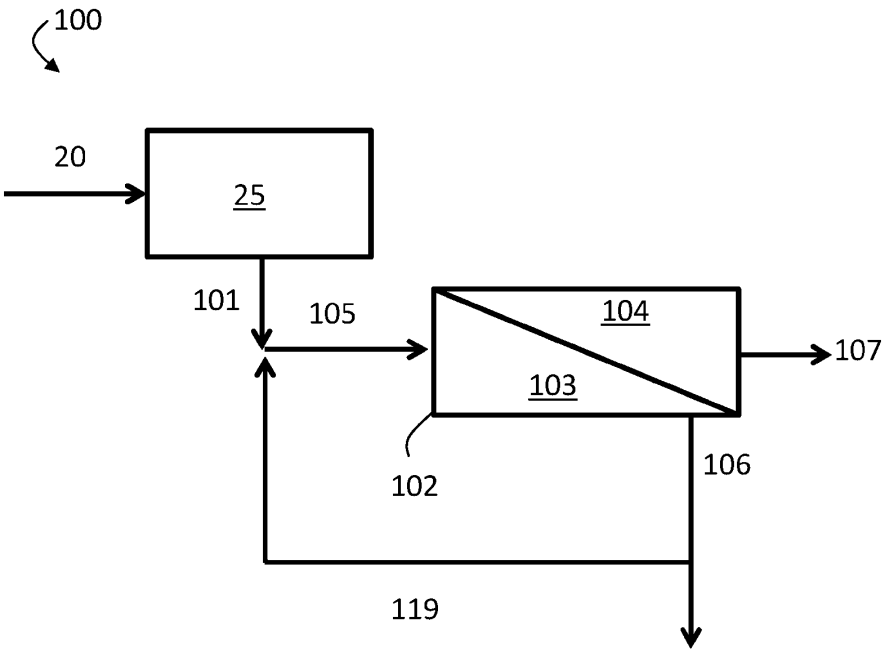

100
20
25
101
105
104
103
107
102
106
119

FIG. 3

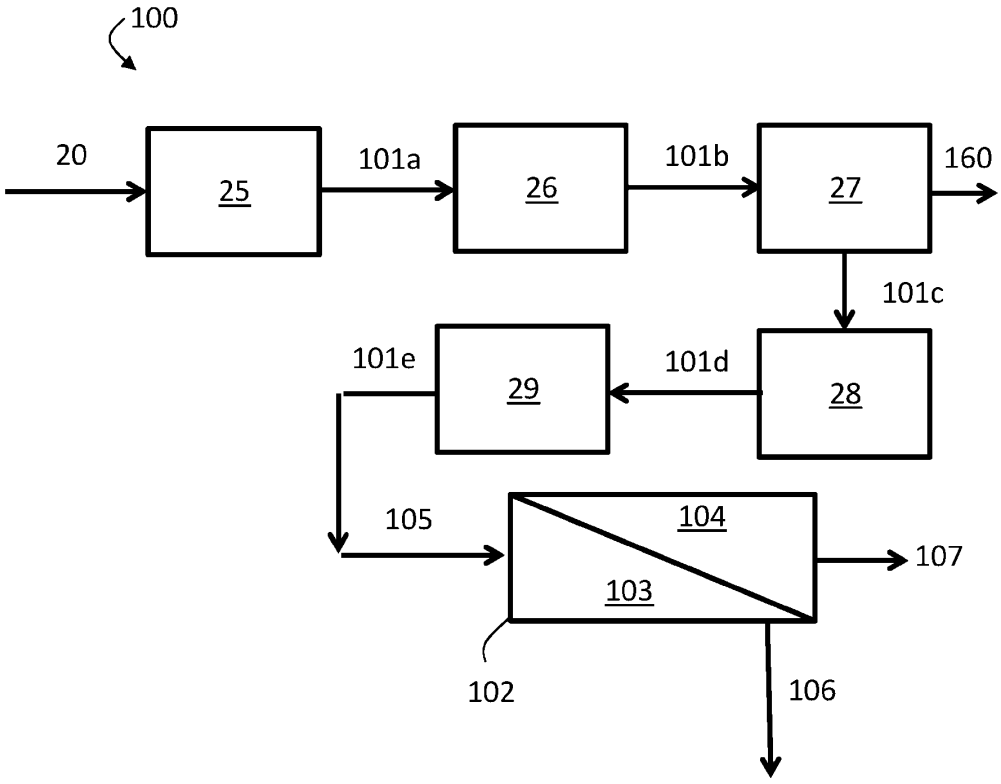

100
20
25
101a
26
101b
27
160
101c
101e
29
101d
28
105
104
103
107
102
106

FIG. 4

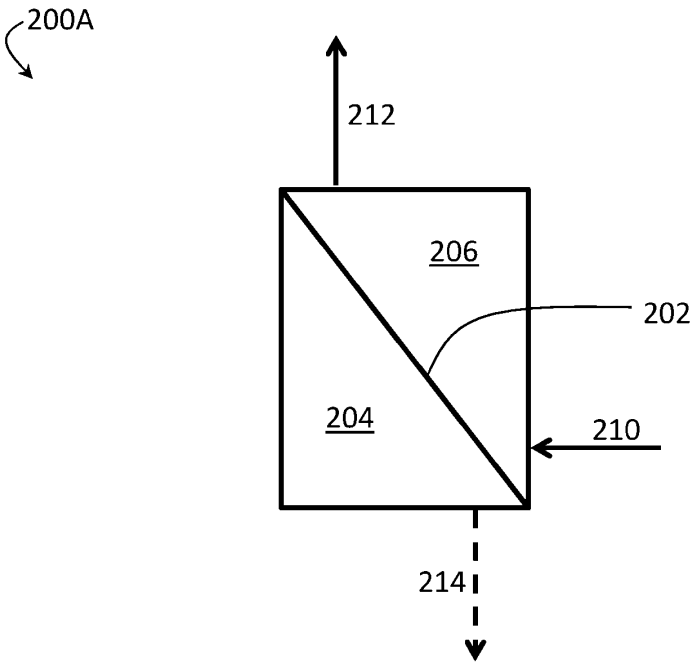


FIG. 5A

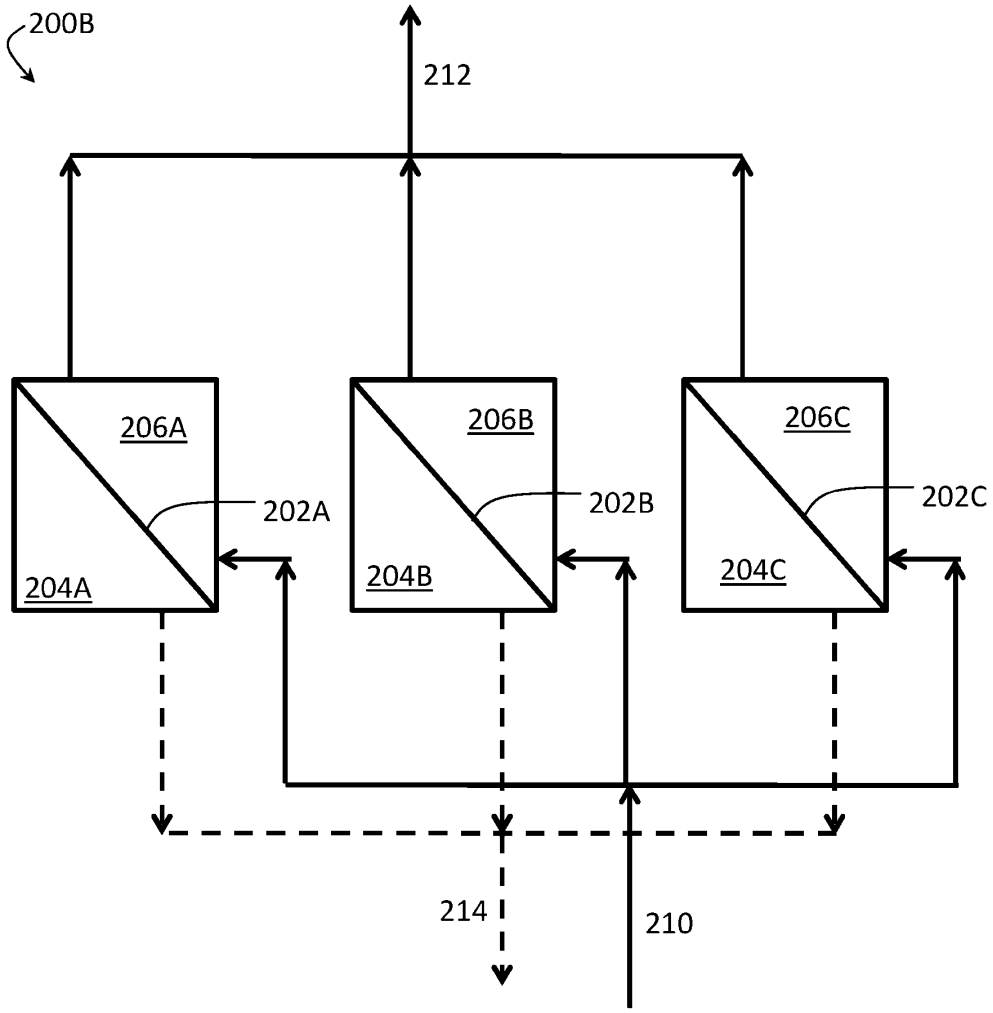


FIG. 5B

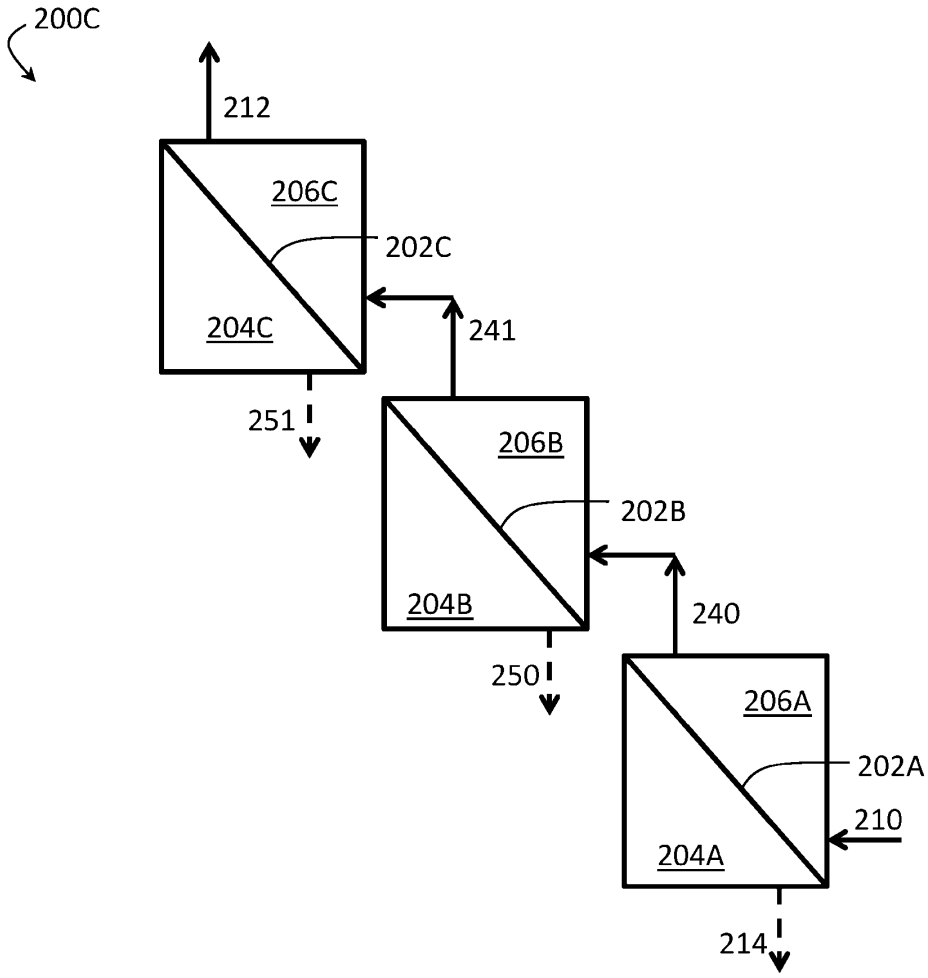

200C
212
206C
202C
204C
241
251
206B
202B
204B
240
250
206A
202A
210
204A
214

FIG. 5C

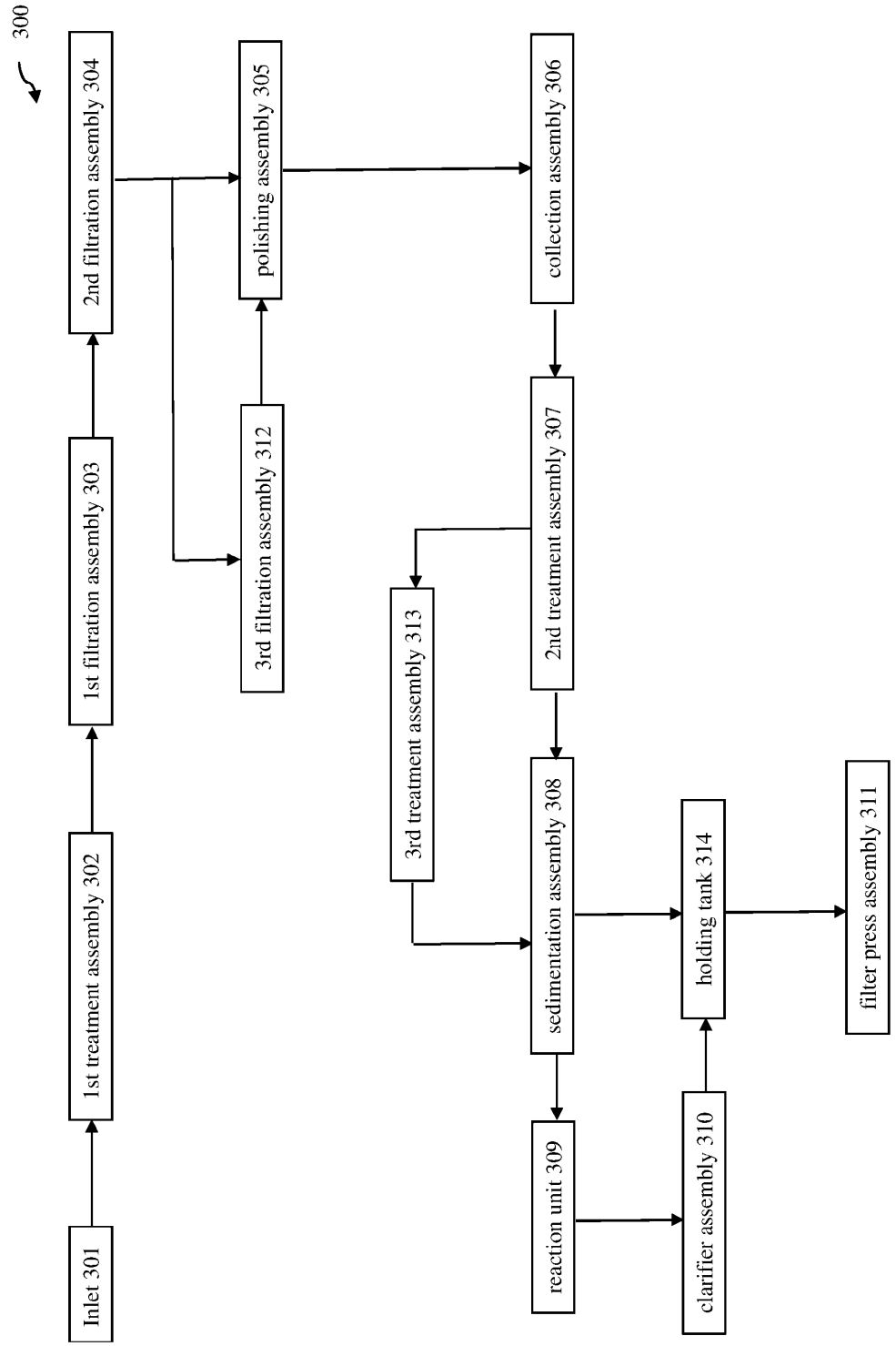

300
Inlet 301
1st treatment assembly 302
1st filtration assembly 303
2nd filtration assembly 304
polishing assembly 305
collection assembly 306
2nd treatment assembly 307
sedimentation assembly 308
reaction unit 309
clarifier assembly 310
filter press assembly 311
3rd filtration assembly 312
3rd treatment assembly 313
holding tank 314

FIG. 6

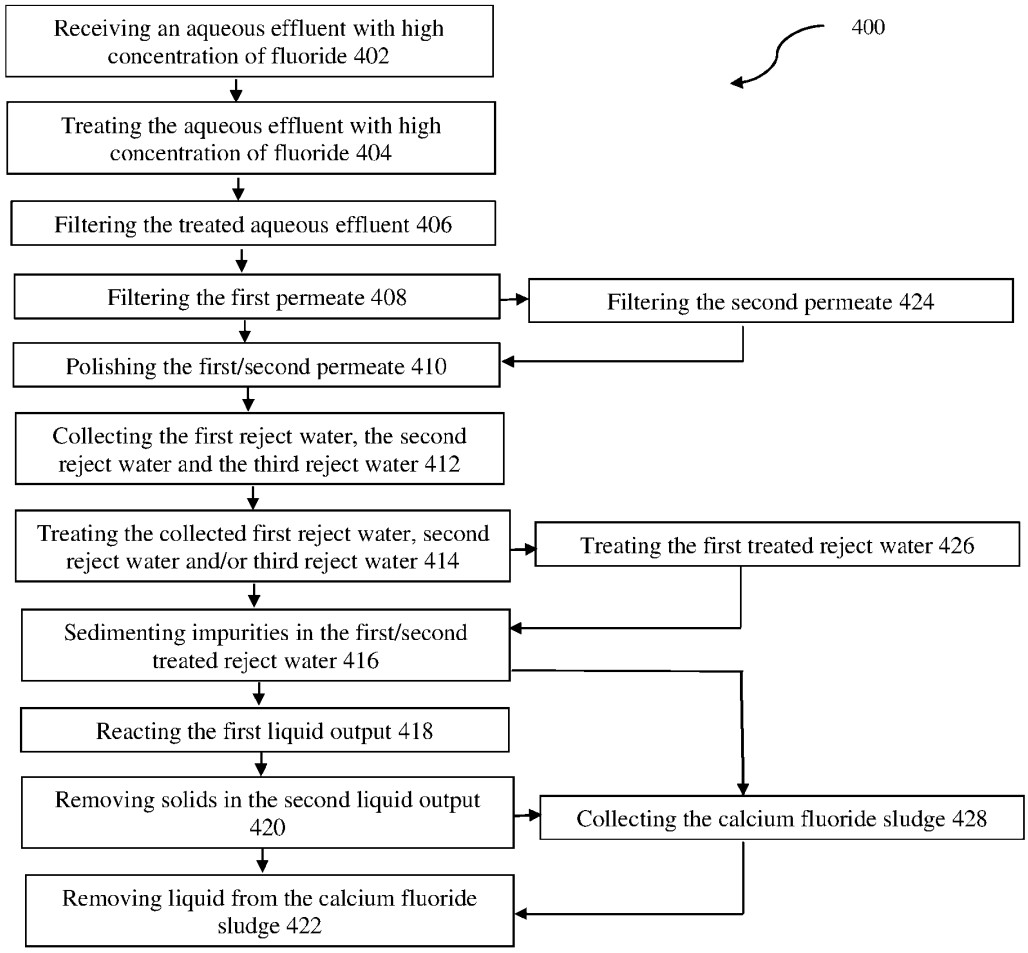

Receiving an aqueous effluent with high concentration of fluoride 402
400
Treating the aqueous effluent with high concentration of fluoride 404
Filtering the treated aqueous effluent 406
Filtering the first permeate 408
Filtering the second permeate 424
Polishing the first/second permeate 410
Collecting the first reject water, the second reject water and the third reject water 412
Treating the collected first reject water, second reject water and/or third reject water 414
Treating the first treated reject water 426
Sedimenting impurities in the first/second treated reject water 416
Reacting the first liquid output 418
Removing solids in the second liquid output 420
Collecting the calcium fluoride sludge 428
Removing liquid from the calcium fluoride sludge 422

FIG. 7