FIG. 1

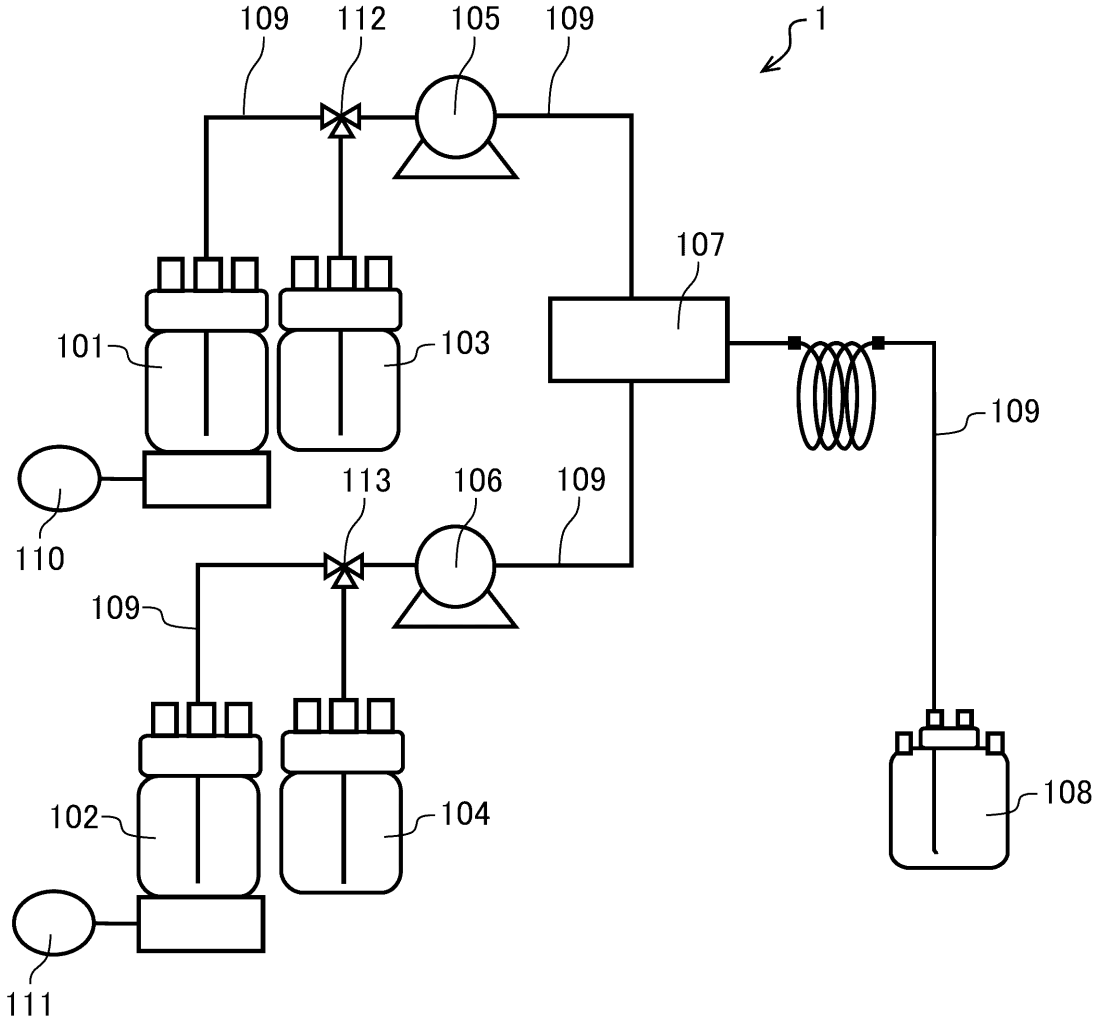

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FIG. 2

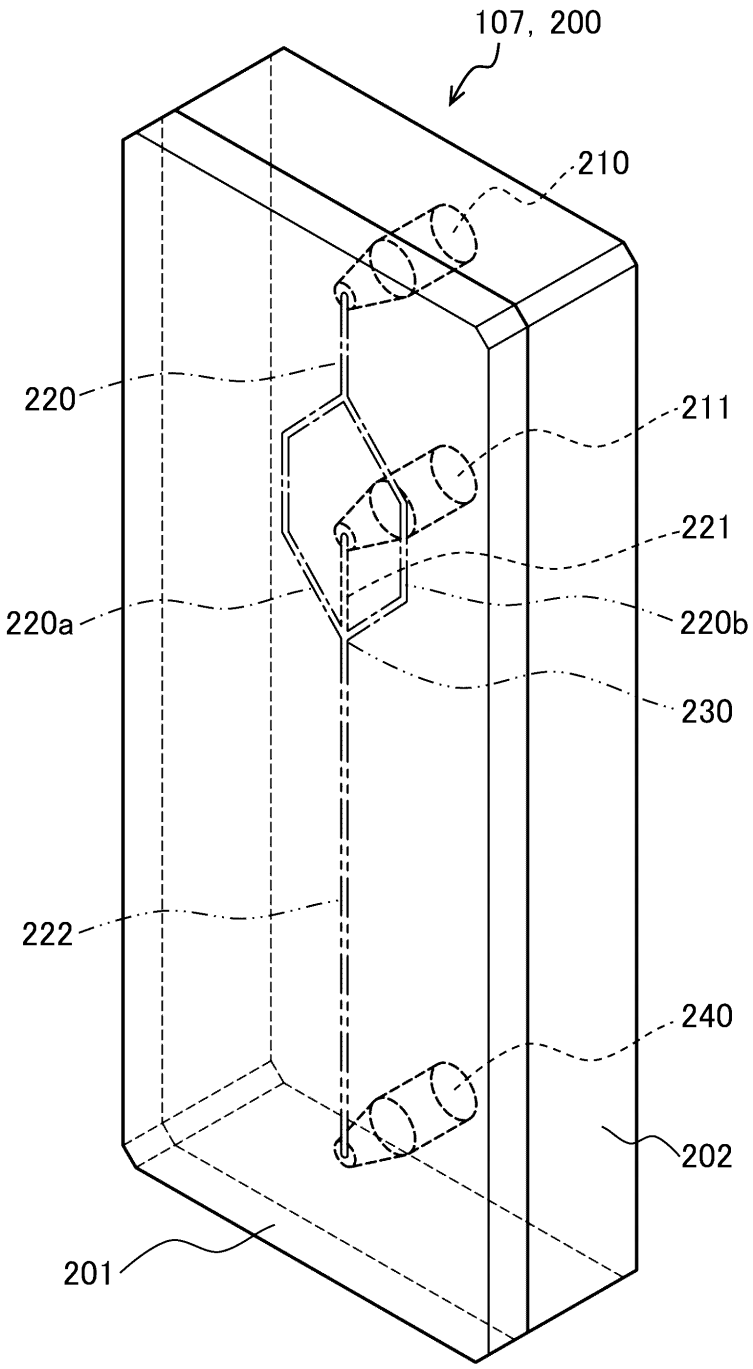


FIG. 3

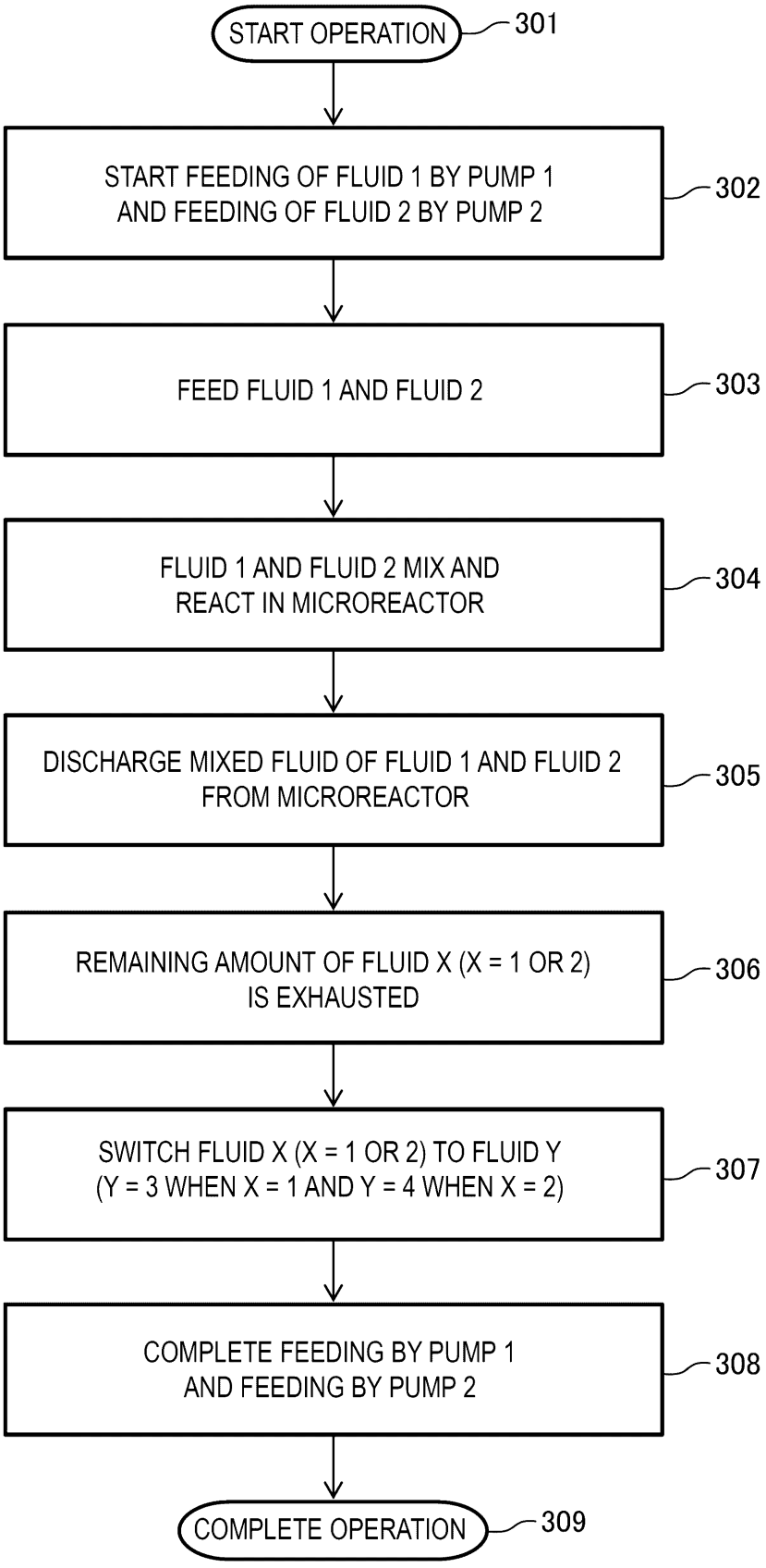

START OPERATION
301
START FEEDING OF FLUID 1 BY PUMP 1
AND FEEDING OF FLUID 2 BY PUMP 2
302
FEED FLUID 1 AND FLUID 2
303
FLUID 1 AND FLUID 2 MIX AND
REACT IN MICROREACTOR
304
DISCHARGE MIXED FLUID OF FLUID 1 AND FLUID 2
FROM MICROREACTOR
305
REMAINING AMOUNT OF FLUID X (X = 1 OR 2)
IS EXHAUSTED
306
SWITCH FLUID X (X = 1 OR 2) TO FLUID Y
(Y = 3 WHEN X = 1 AND Y = 4 WHEN X = 2)
307
COMPLETE FEEDING BY PUMP 1
AND FEEDING BY PUMP 2
308
COMPLETE OPERATION
309

FIG. 4

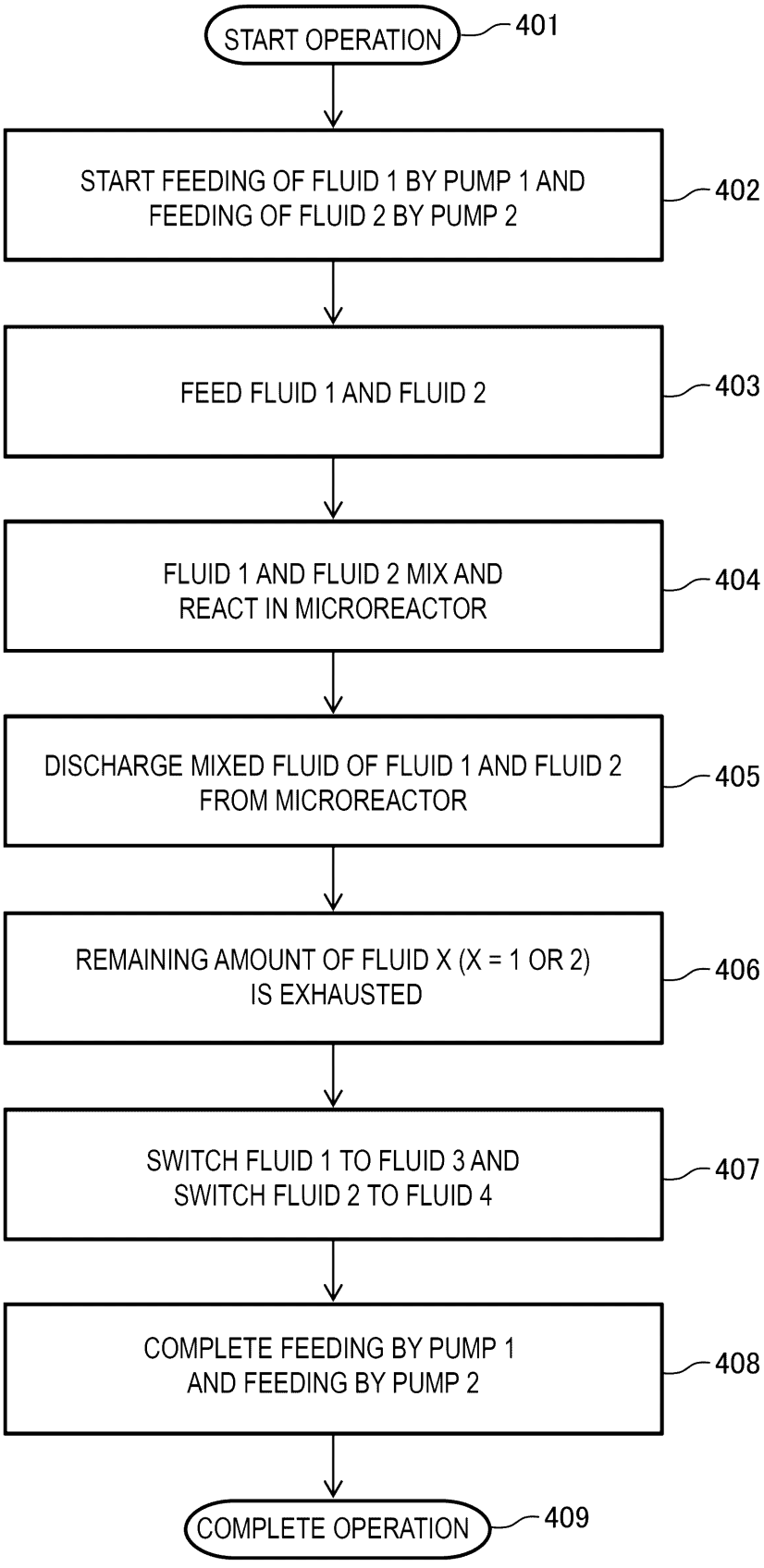

START OPERATION
401
START FEEDING OF FLUID 1 BY PUMP 1 AND FEEDING OF FLUID 2 BY PUMP 2
402
FEED FLUID 1 AND FLUID 2
403
FLUID 1 AND FLUID 2 MIX AND REACT IN MICROREACTOR
404
DISCHARGE MIXED FLUID OF FLUID 1 AND FLUID 2 FROM MICROREACTOR
405
REMAINING AMOUNT OF FLUID X (X = 1 OR 2) IS EXHAUSTED
406
SWITCH FLUID 1 TO FLUID 3 AND SWITCH FLUID 2 TO FLUID 4
407
COMPLETE FEEDING BY PUMP 1 AND FEEDING BY PUMP 2
408
COMPLETE OPERATION
409

FIG. 5

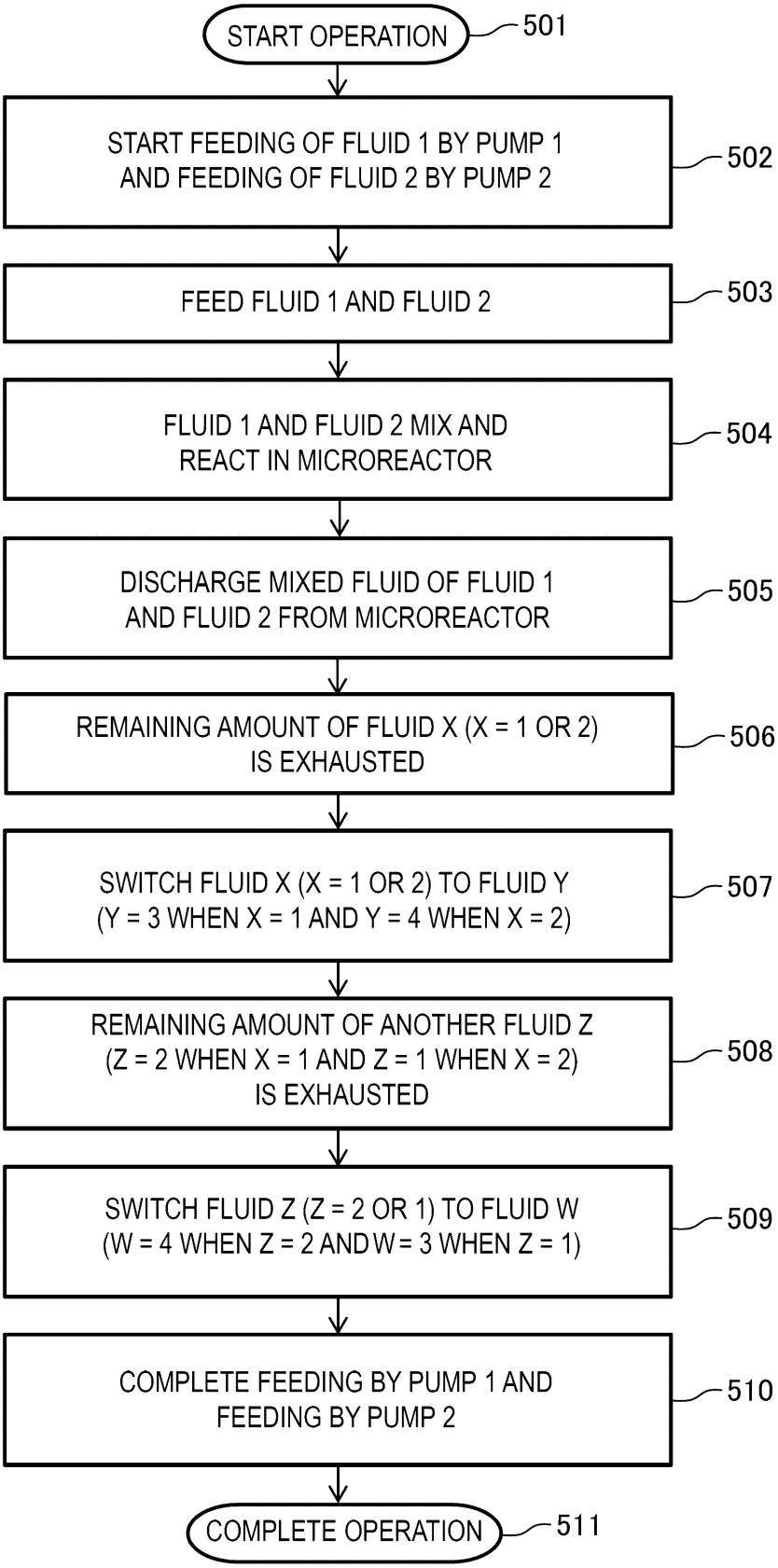

START OPERATION
501
START FEEDING OF FLUID 1 BY PUMP 1 AND FEEDING OF FLUID 2 BY PUMP 2
502
FEED FLUID 1 AND FLUID 2
503
FLUID 1 AND FLUID 2 MIX AND REACT IN MICROREACTOR
504
DISCHARGE MIXED FLUID OF FLUID 1 AND FLUID 2 FROM MICROREACTOR
505
REMAINING AMOUNT OF FLUID X (X = 1 OR 2) IS EXHAUSTED
506
SWITCH FLUID X (X = 1 OR 2) TO FLUID Y (Y = 3 WHEN X = 1 AND Y = 4 WHEN X = 2)
507
REMAINING AMOUNT OF ANOTHER FLUID Z (Z = 2 WHEN X = 1 AND Z = 1 WHEN X = 2) IS EXHAUSTED
508
SWITCH FLUID Z (Z = 2 OR 1) TO FLUID W (W = 4 WHEN Z = 2 AND W = 3 WHEN Z = 1)
509
COMPLETE FEEDING BY PUMP 1 AND FEEDING BY PUMP 2
510
COMPLETE OPERATION
511

FIG. 6

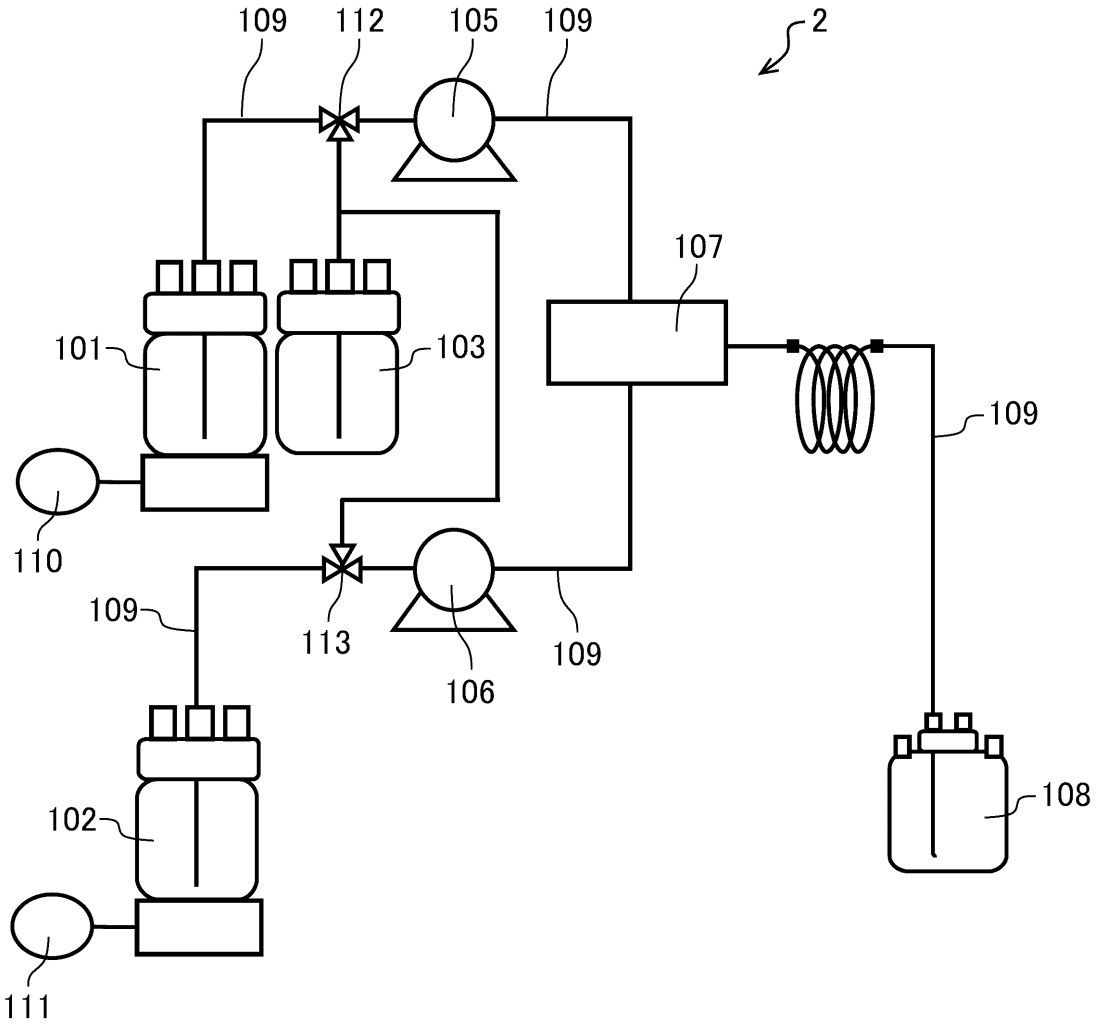


FIG. 7

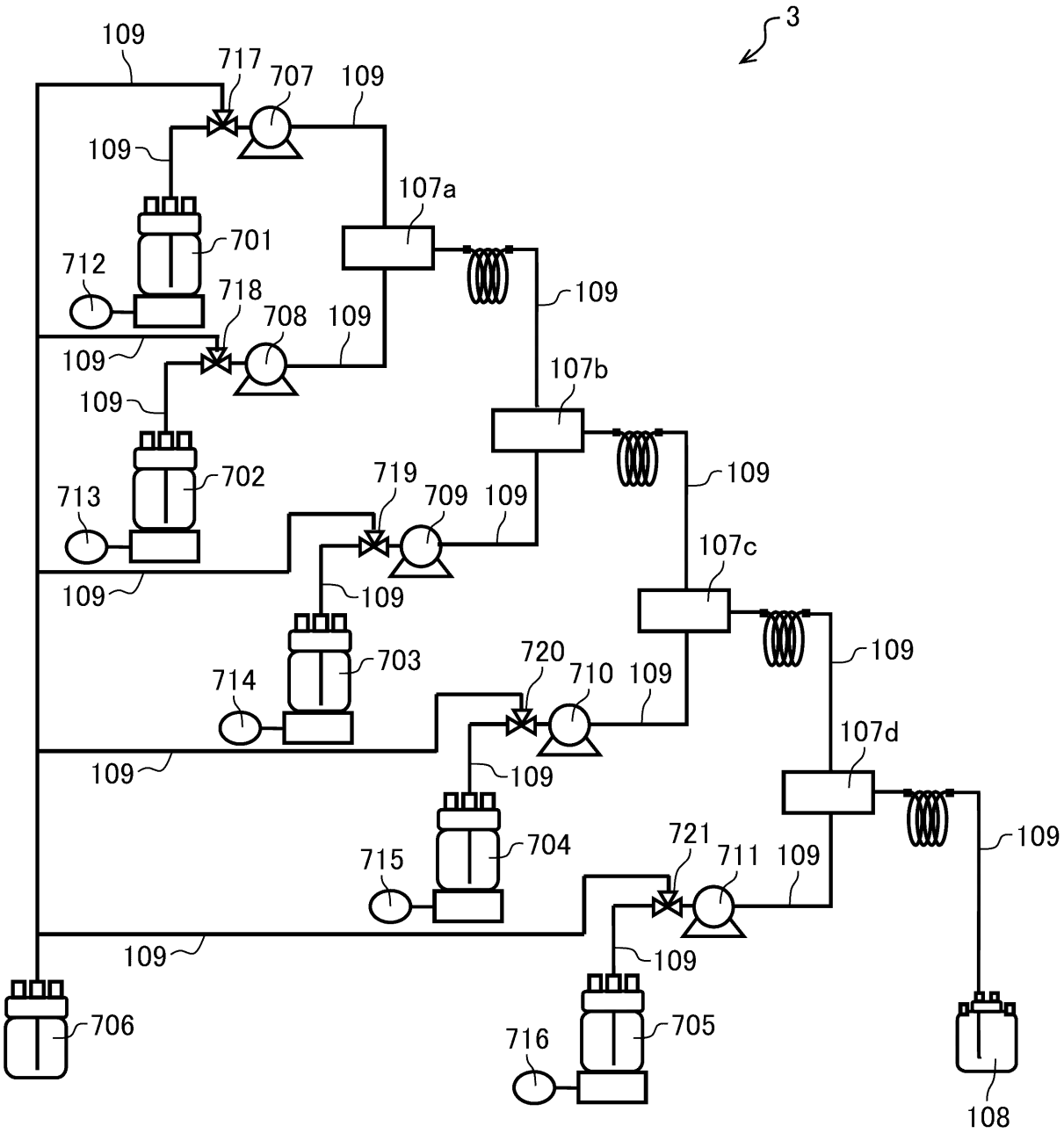

3
109
717
707
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107a
701
712
718
708
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109
109
107b
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702
713
719
709
109
109
109
107c
109
703
714
720
710
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109
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107d
704
715
721
711
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109
109
706
705
716
108

FIG. 8

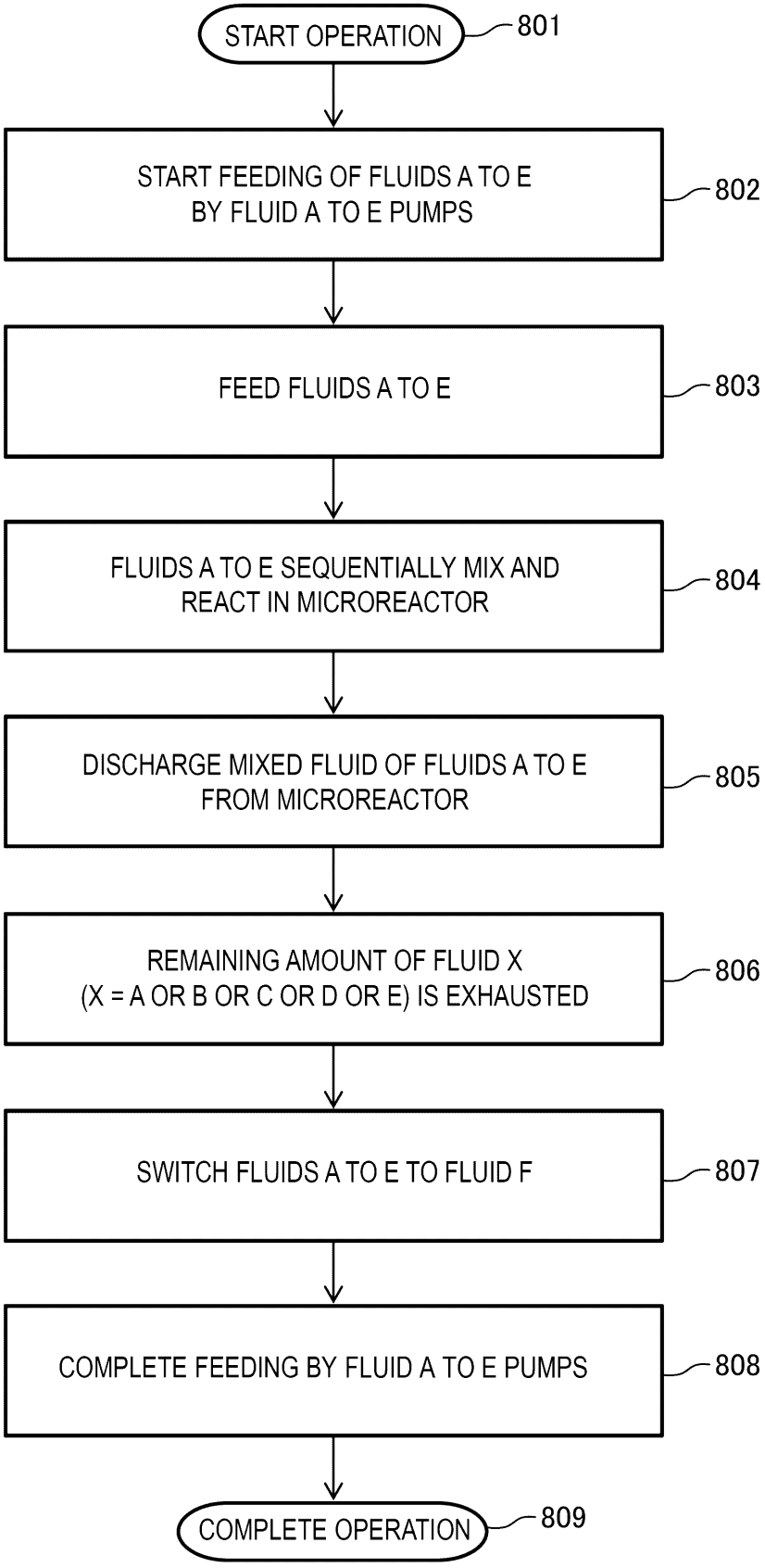

START OPERATION
801
START FEEDING OF FLUIDS A TO E BY FLUID A TO E PUMPS
802
FEED FLUIDS A TO E
803
FLUIDS A TO E SEQUENTIALLY MIX AND REACT IN MICROREACTOR
804
DISCHARGE MIXED FLUID OF FLUIDS A TO E FROM MICROREACTOR
805
REMAINING AMOUNT OF FLUID X (X = A OR B OR C OR D OR E) IS EXHAUSTED
806
SWITCH FLUIDS A TO E TO FLUID F
807
COMPLETE FEEDING BY FLUID A TO E PUMPS
808
COMPLETE OPERATION
809

FIG. 9

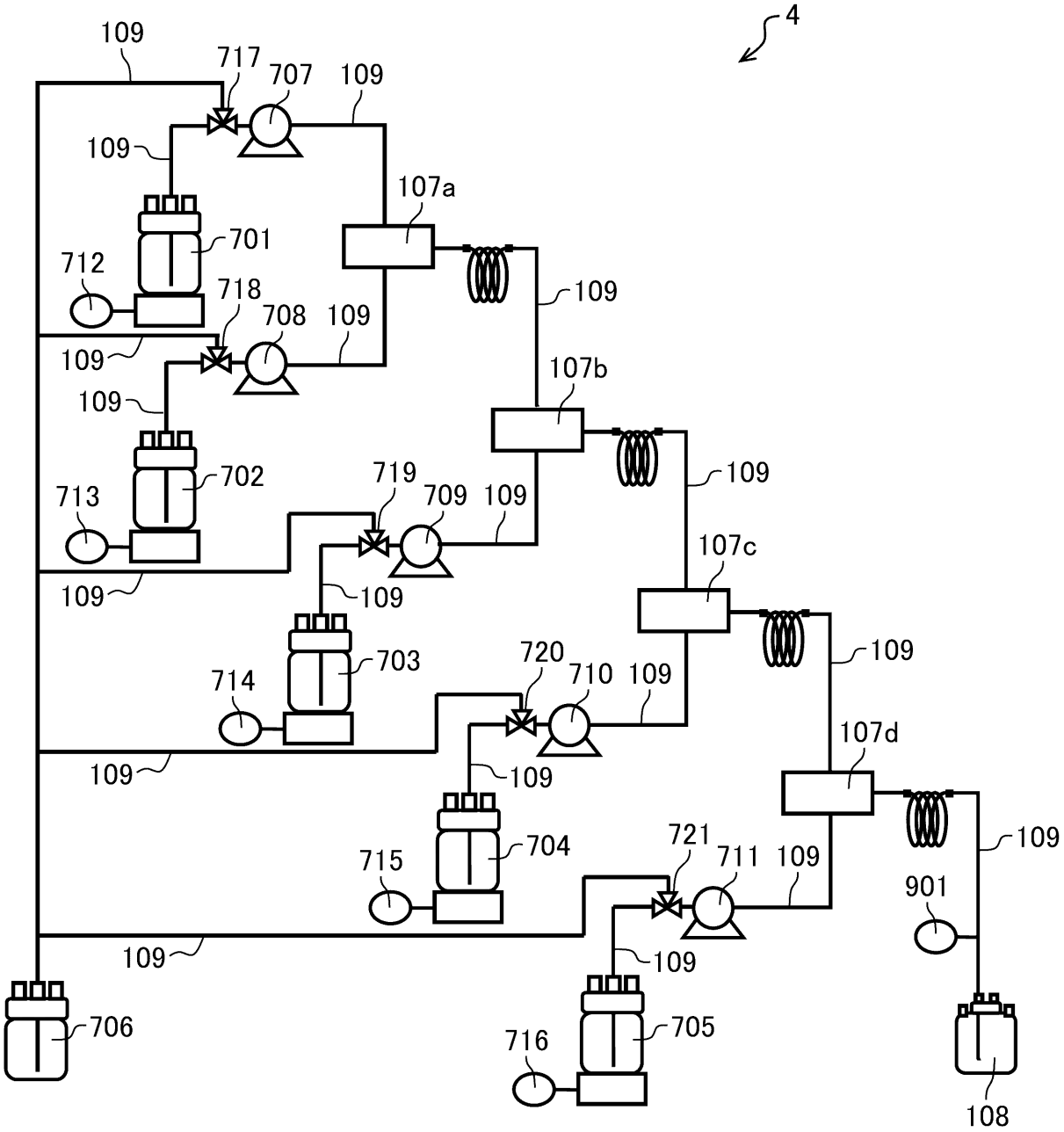

4
109
717
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109
107a
701
712
718
708
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109
109
107b
109
702
713
719
709
109
109
107c
109
109
703
714
720
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107d
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715
721
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108

FIG. 10

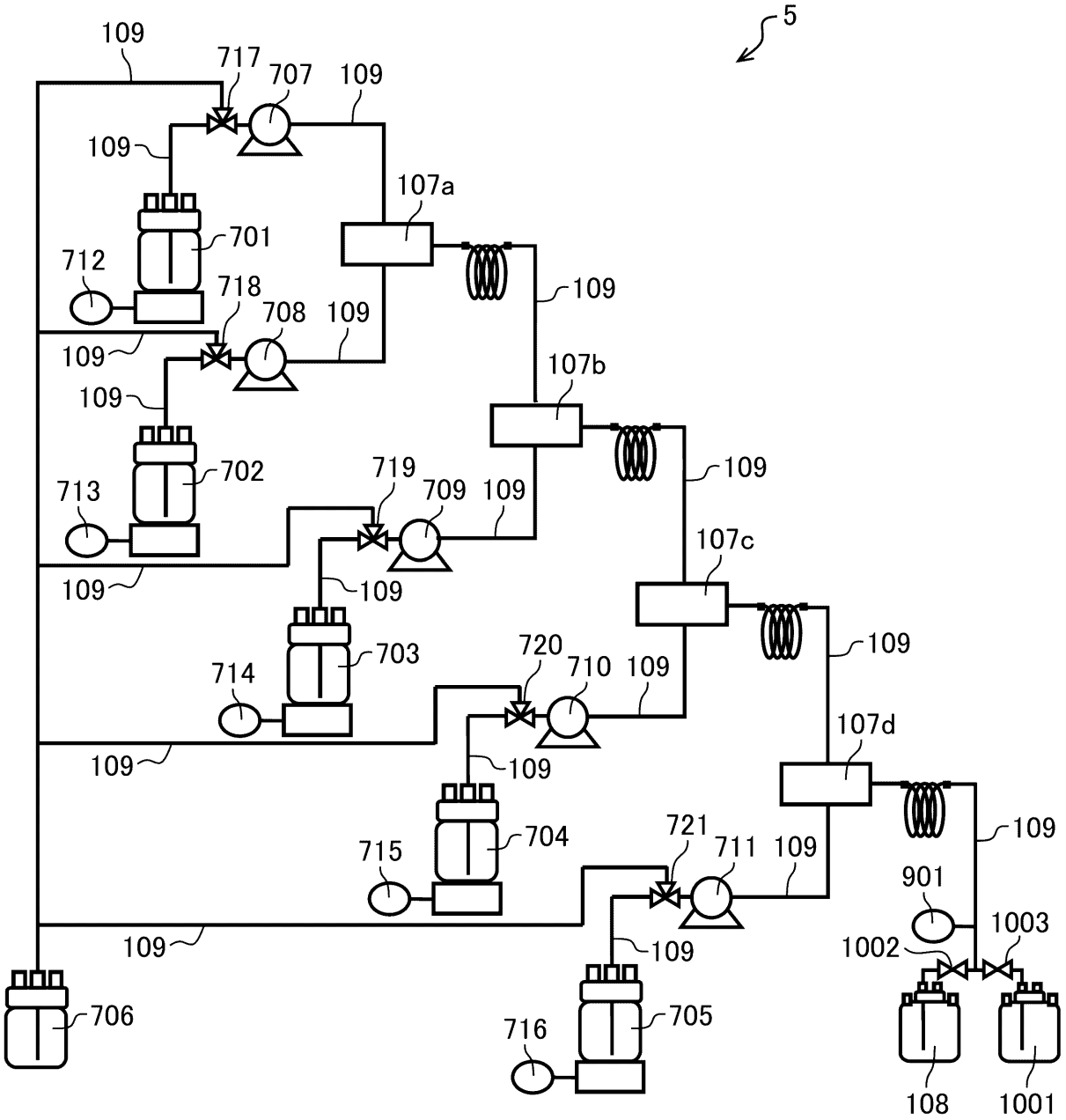

5
109
717
707
109
109
107a
701
712
718
708
109
109
109
107b
109
702
713
719
709
109
109
107c
109
109
703
714
720
710
109
109
107d
109
109
704
715
721
711
109
109
901
1003
1002
706
705
716
108
1001

FIG. 11

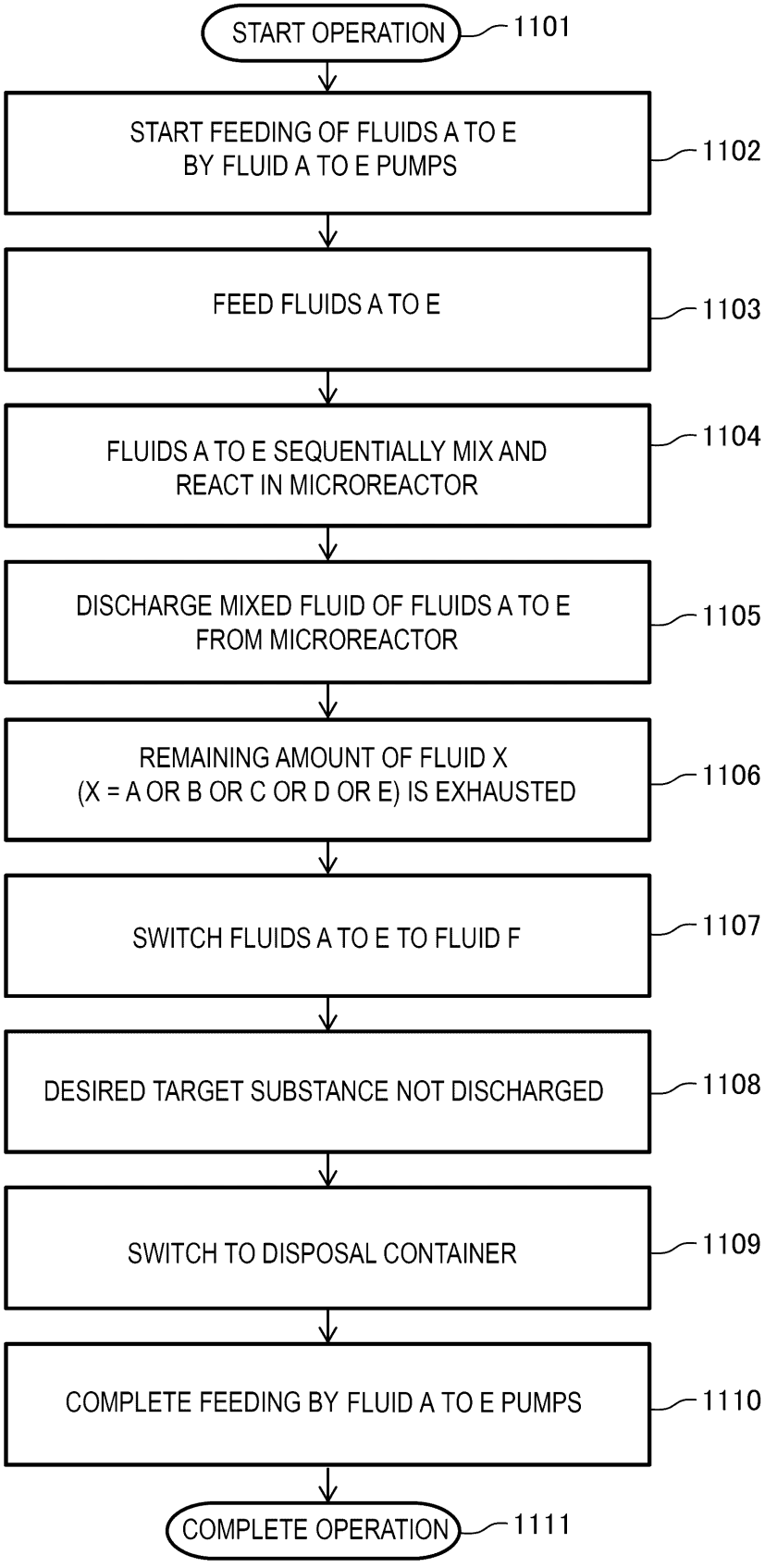

START OPERATION
1101
START FEEDING OF FLUIDS A TO E BY FLUID A TO E PUMPS
1102
FEED FLUIDS A TO E
1103
FLUIDS A TO E SEQUENTIALLY MIX AND REACT IN MICROREACTOR
1104
DISCHARGE MIXED FLUID OF FLUIDS A TO E FROM MICROREACTOR
1105
REMAINING AMOUNT OF FLUID X (X = A OR B OR C OR D OR E) IS EXHAUSTED
1106
SWITCH FLUIDS A TO E TO FLUID F
1107
DESIRED TARGET SUBSTANCE NOT DISCHARGED
1108
SWITCH TO DISPOSAL CONTAINER
1109
COMPLETE FEEDING BY FLUID A TO E PUMPS
1110
COMPLETE OPERATION
1111

FIG. 12

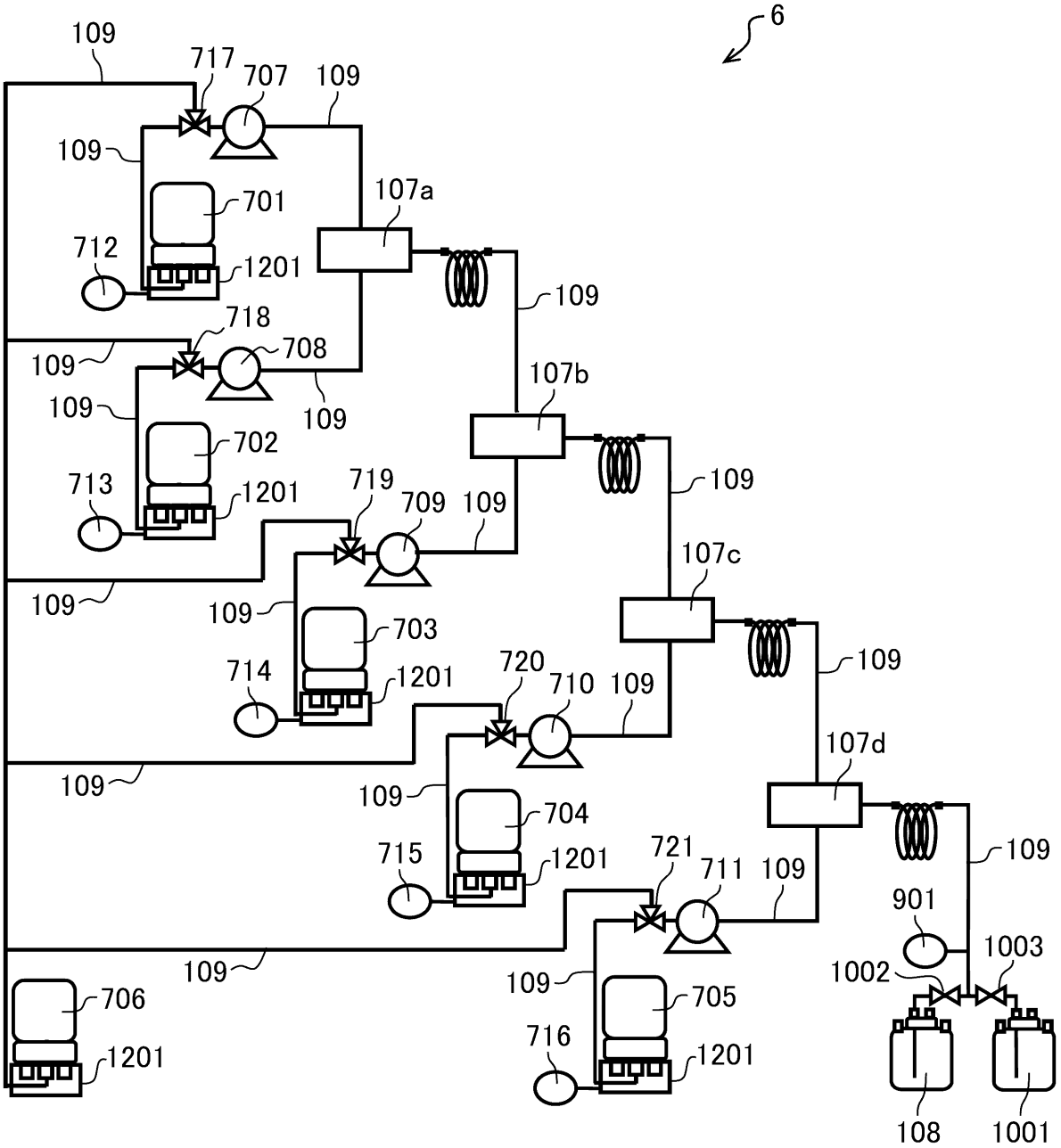

6
109
717
707
109
109
701
107a
712
1201
109
718
708
109
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107b
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702
713
1201
719
709
109
109
107c
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703
714
1201
720
710
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107d
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FIG. 13A

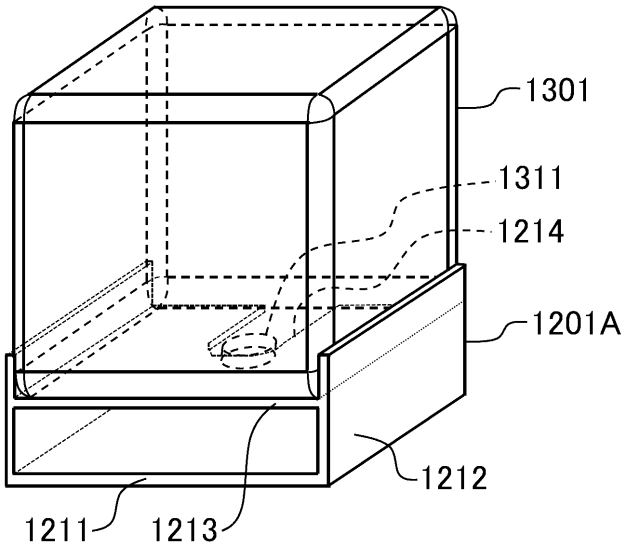


FIG. 13B

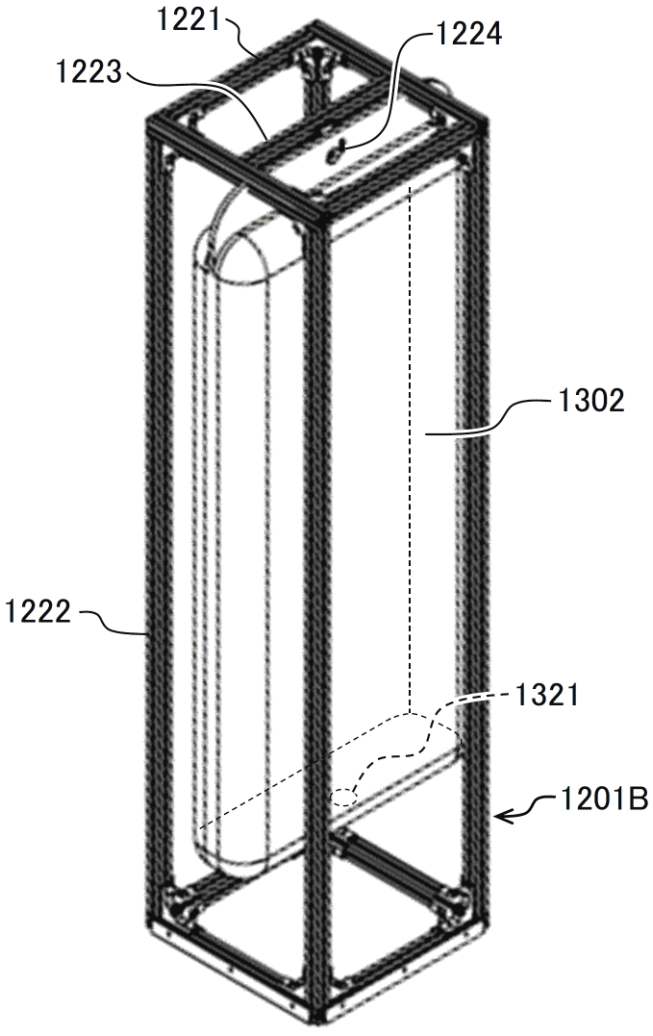


FIG. 13C

