

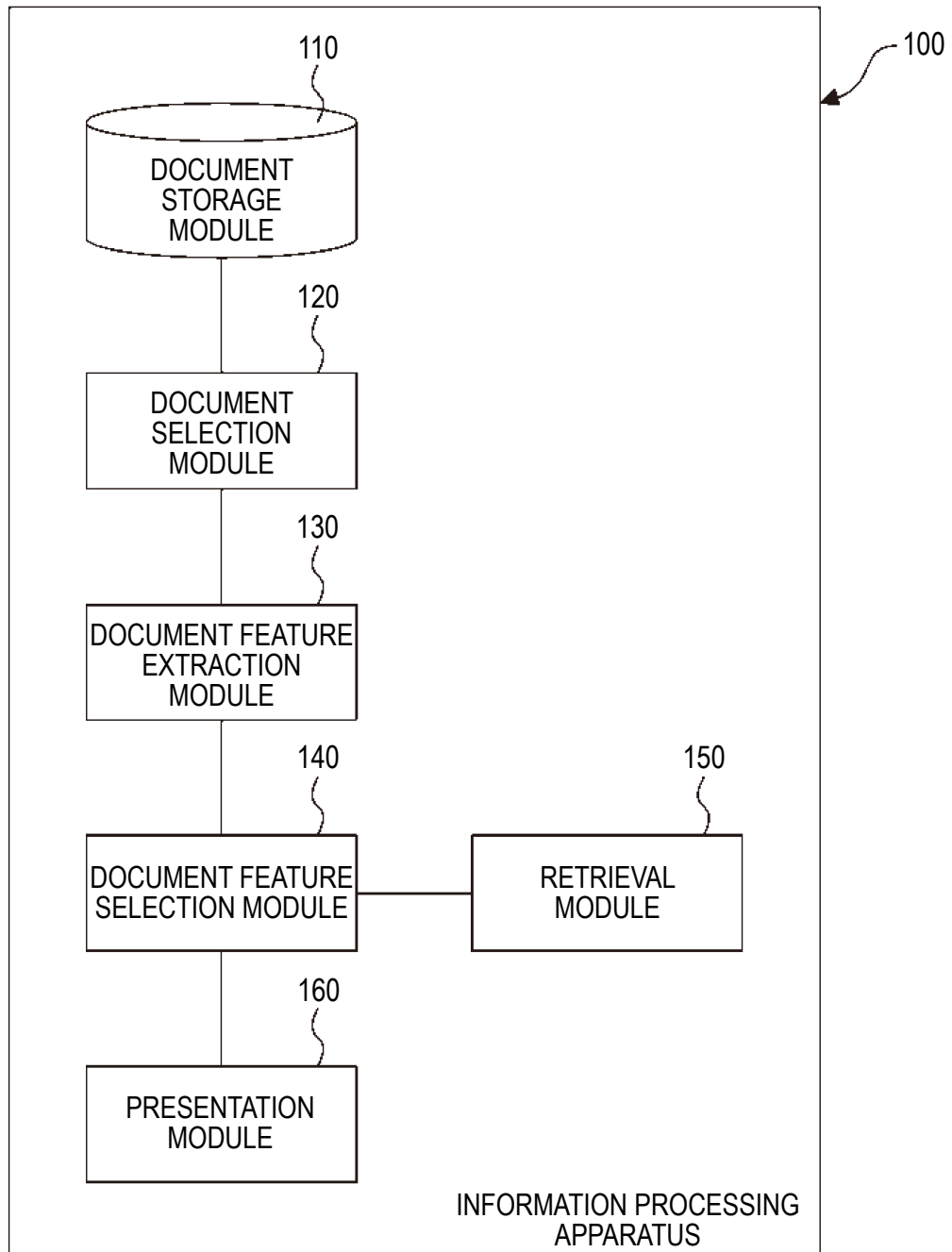
FIG. 1

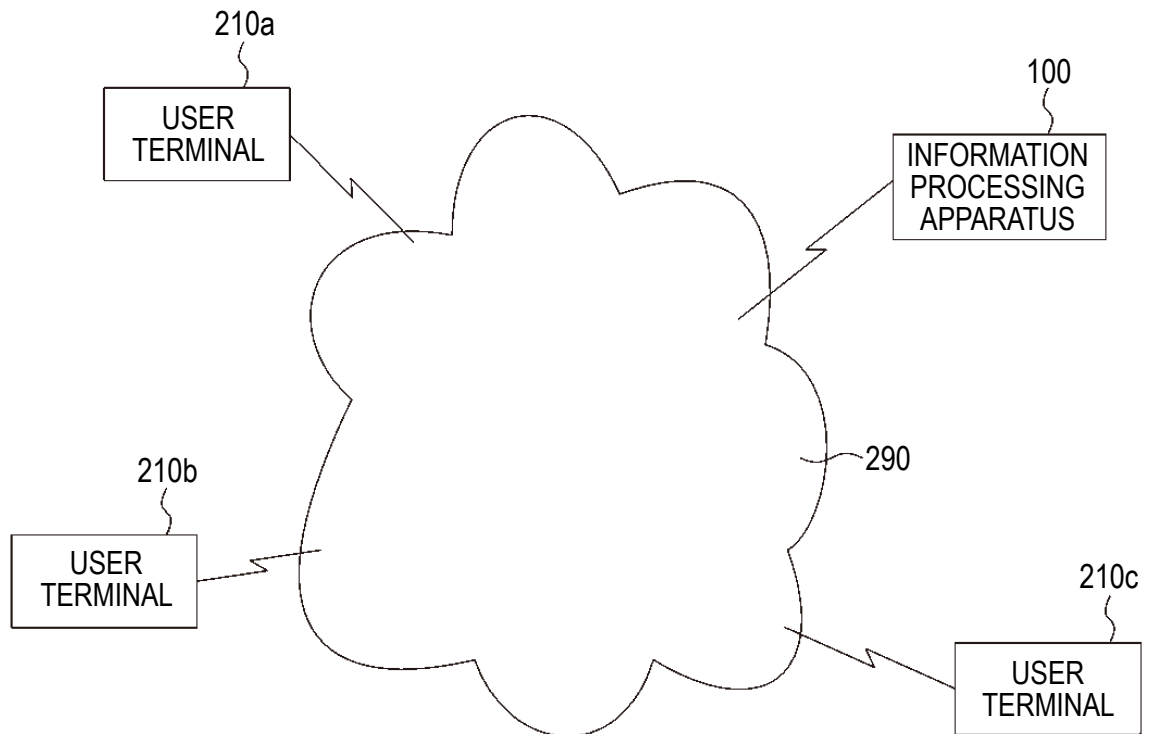
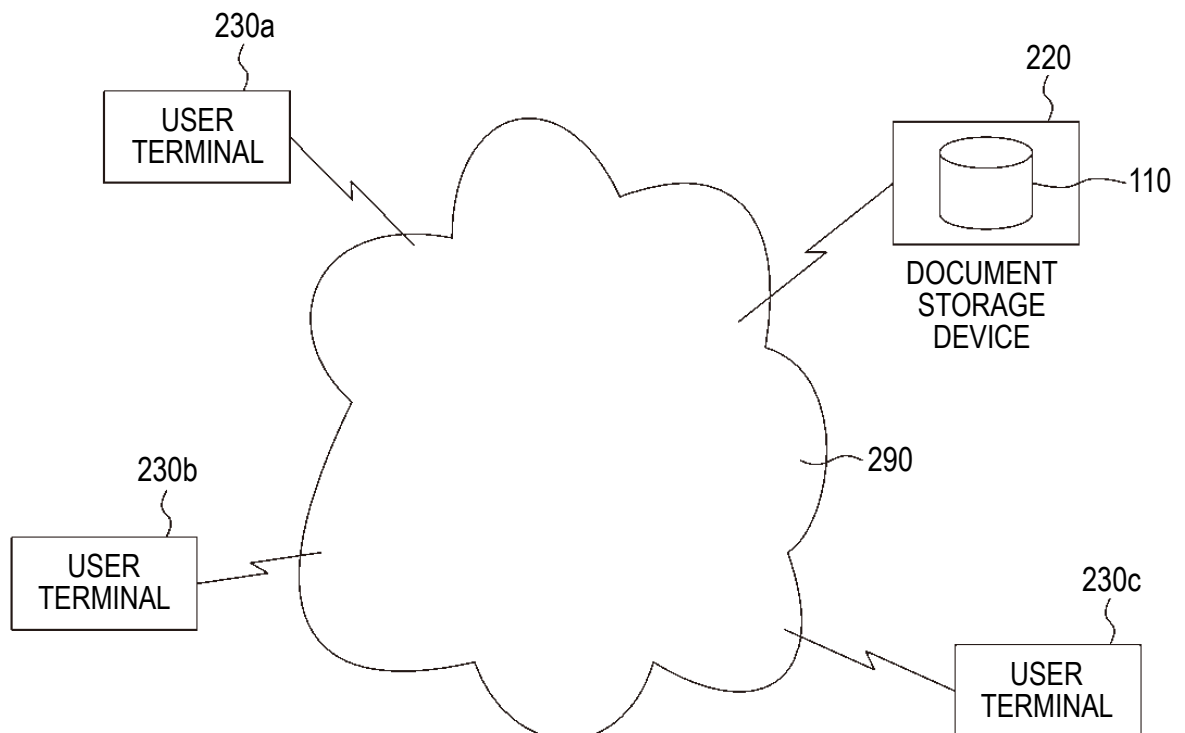
FIG. 2A**FIG. 2B**

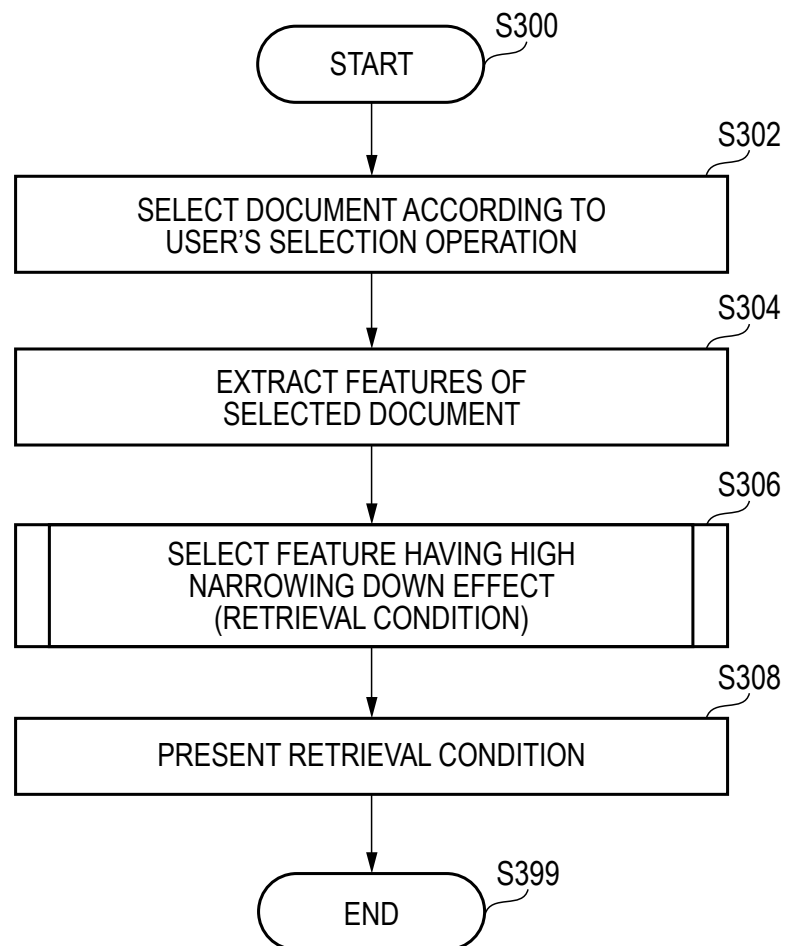
FIG. 3

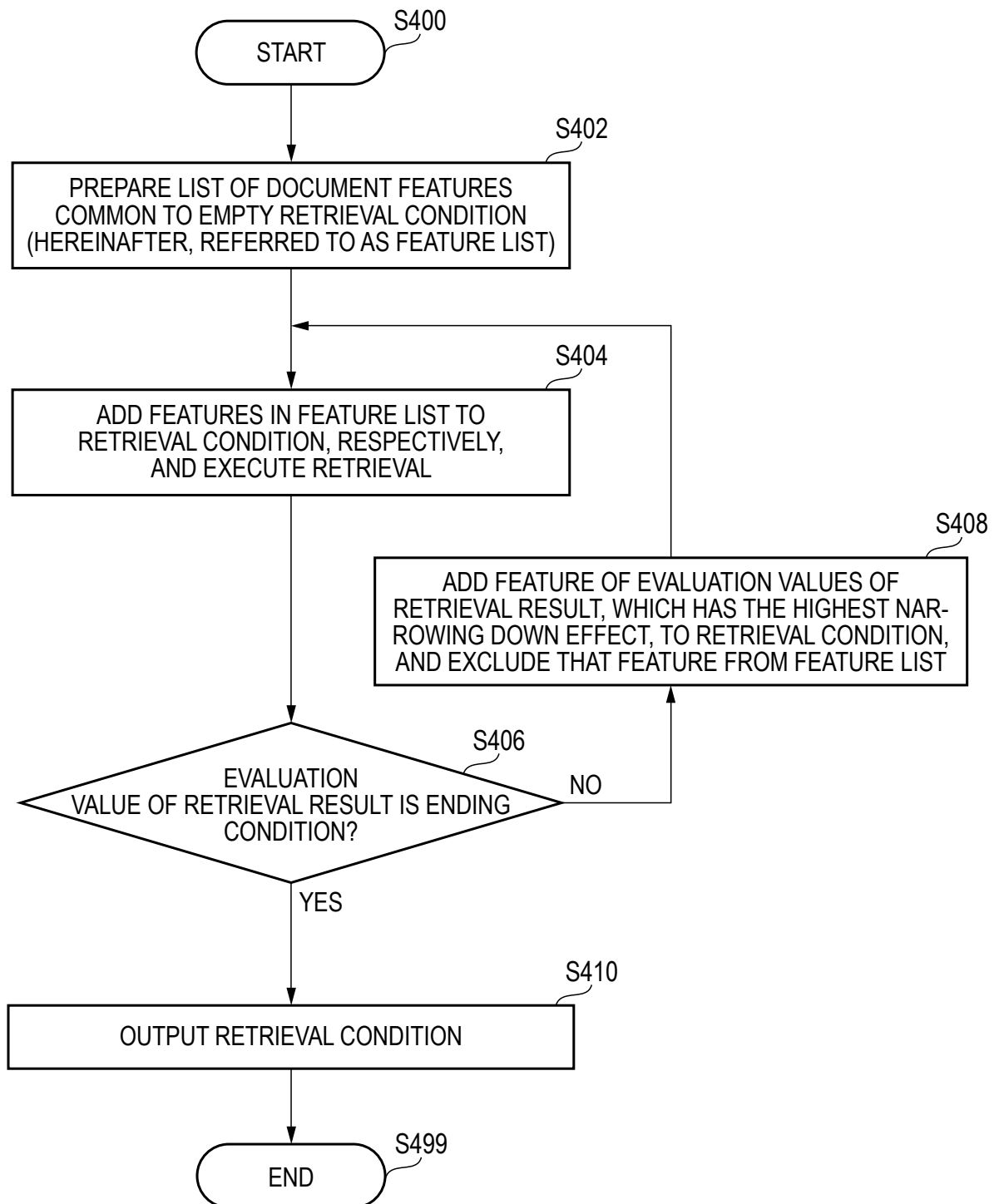
FIG. 4

FIG. 5

	p1	p2	p3	p4	p5	p6	p7	500
d1	1	1	1	1	1	1	0	
d2	1	1	1	1	1	1	0	
d3	1	1	1	1	1	1	1	
d4	1	1	1	1	1	0	1	
d5	1	1	1	1	0	1	1	
d6	1	1	1	0	1	0	1	
d7	1	0	0	1	1	1	1	
d8	1	1	0	1	1	1	0	
d9	1	0	0	1	1	0	1	
d10	0	1	1	0	1	0	1	

FIG. 6

	p1	p2	p3	p4	p5	p6	p7	500
d1	1	1	1	1	1	1	0	
d2	1	1	1	1	1	1	0	610
d3	1	1	1	1	1	1	1	
d4	1	1	1	1	1	0	1	
d5	1	1	1	1	0	1	1	
d6	1	1	1	0	1	0	1	
d7	1	0	0	1	1	1	1	
d8	1	1	0	1	1	1	0	
d9	1	0	0	1	1	0	1	
d10	0	1	1	0	1	0	1	

FIG. 7

	p1	p2	p3	p4	p5	p6	p7	500
d1	1	1	1	1	1	1	0	
d2	1	1	1	1	1	1	0	
d3	1	1	1	1	1	1	1	
d4	1	1	1	1	1	0	1	
d5	1	1	1	1	0	1	1	
d6	1	1	1	0	1	0	1	
d7	1	0	0	1	1	1	1	
d8	1	1	0	1	1	1	0	
d9	1	0	0	1	1	0	1	
d10	0	1	1	0	1	0	1	

FIG. 8

		850						500
		p1	p2	p3	p4	p5	p6	
810	d1	1	1	1	1	1	1	0
	d2	1	1	1	1	1	1	0
	d3	1	1	1	1	1	1	1
812	d4	1	1	1	1	1	0	1
	d5	1	1	1	1	0	1	1
814	d6	1	1	1	0	1	0	1
	d7	1	0	0	1	1	1	1
	d8	1	1	0	1	1	1	0
	d9	1	0	0	1	1	0	1
	d10	0	1	1	0	1	0	1

FIG. 9

		950			850			500
		p1	p2	p3	p4	p5	p6	
810	d1	1	1	1	1	1	1	0
	d2	1	1	1	1	1	1	0
	d3	1	1	1	1	1	1	1
812	d4	1	1	1	1	1	0	1
	d5	1	1	1	1	0	1	1
	d6	1	1	1	0	1	0	1
	d7	1	0	0	1	1	1	1
	d8	1	1	0	1	1	1	0
	d9	1	0	0	1	1	0	1
	d10	0	1	1	0	1	0	1

FIG. 10

	p1	p2	p3	p4	p5	p6	p7
d1	1	1	1	1	1	1	0
d2	1	1	1	1	1	1	0
d3	1	1	1	1	1	1	1
d4	1	1	1	1	1	0	1
d5	1	1	1	1	0	1	1
d6	1	1	1	0	1	0	1
d7	1	0	0	1	1	1	1
d8	1	1	0	1	1	1	0
d9	1	0	0	1	1	0	1
d10	0	1	1	0	1	0	1

Diagram illustrating a data structure 500 (a table) with columns p1 through p7 and rows d1 through d10. The table is partitioned into three groups: 950 (columns p3, p4), 1050 (columns p5, p6), and 850 (column p7). A bracket 810 indicates the first three rows (d1, d2, d3).

FIG. 11

	WORD 1	WORD 2	WORD 3	WORD 4	WORD 5	WORD 6	WORD 7
d1	0.01	0.3	0.4	0.01	0.04	0.1	0
d2	0.05	0.2	0.5	0.09	0.06	0.2	0
d3	0.02	0.1	0.4	0.1	0.03	0.3	0.5
d4	0.03	0.3	0.3	0.03	0.07	0	0.5
d5	0.01	0.4	0.1	0.02	0	0.3	0.4
d6	0.02	0.1	0.5	0	0.02	0	0.3
d7	0.04	0	0	0.06	0.03	0.2	0.1
d8	0.03	0.4	0	0.07	0.05	0.1	0
d9	0.02	0	0	0.03	0.03	0	0.2
d10	0	0.2	0.2	0	0.04	0	0.4

Diagram illustrating a data structure 1100 (a table) with columns WORD 1 through WORD 7 and rows d1 through d10.

FIG. 12

	p1	p2	p3	p4	p5	p6	p7	$\neg$ p1	$\neg$ p2	$\neg$ p3	$\neg$ p4	$\neg$ p5	$\neg$ p6	$\neg$ p7
d1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
d2	1	1	1	1	1	1	0	0	0	0	0	0	0	1
d3	1	1	1	1	1	1	1	0	0	0	0	0	0	0
d4	1	1	1	1	1	0	1	0	0	0	0	0	1	0
d5	1	1	1	1	0	1	1	0	0	0	0	1	0	0
d6	1	1	1	0	1	0	1	0	0	0	1	0	1	0
d7	1	0	0	1	1	1	1	0	1	1	0	0	0	0
d8	1	1	0	1	1	1	0	0	0	1	0	0	0	1
d9	1	0	0	1	1	0	1	0	1	1	0	0	1	0
d10	0	1	1	0	1	0	1	1	0	0	1	0	1	0

1210

1250

1200

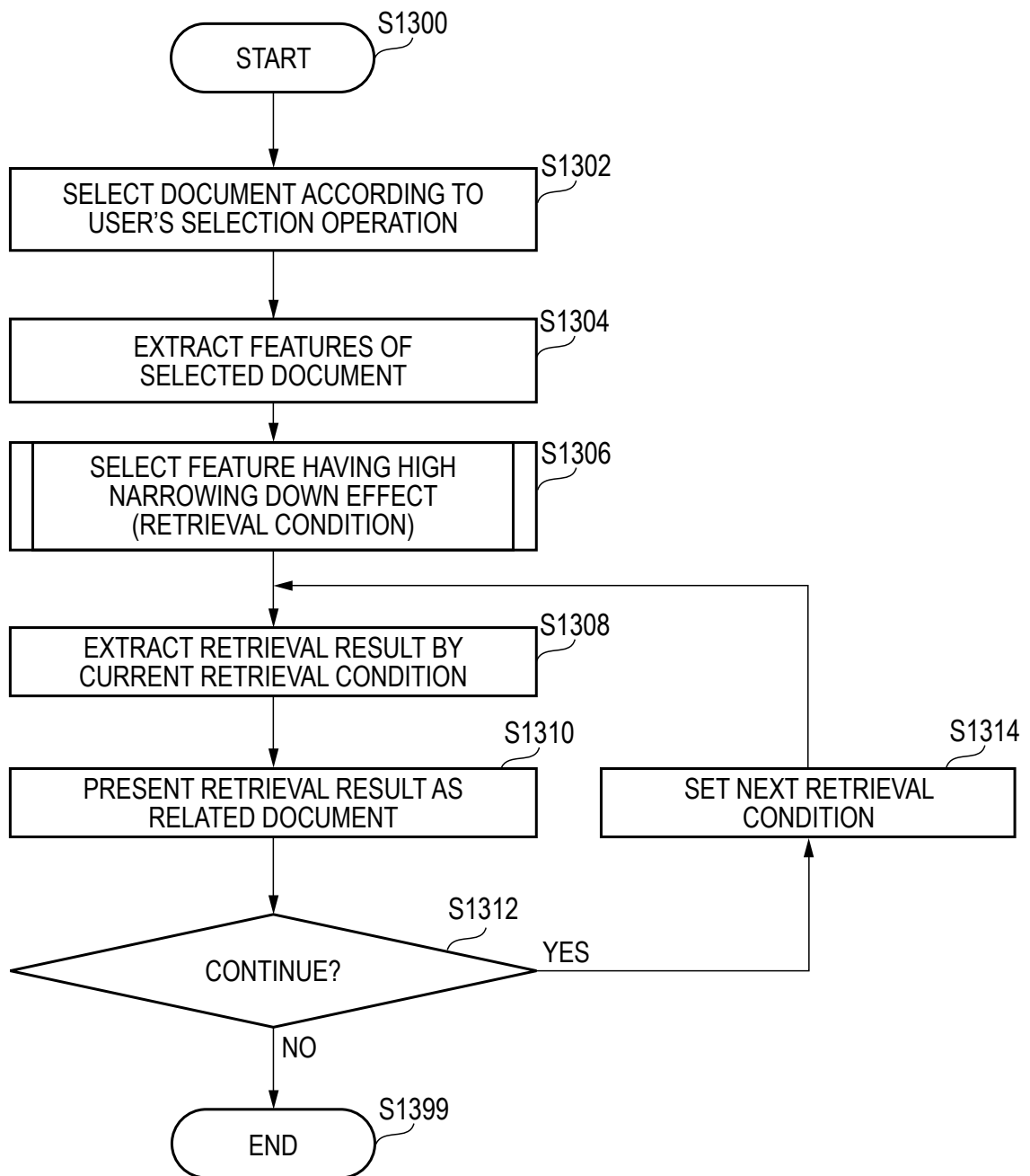
FIG. 13

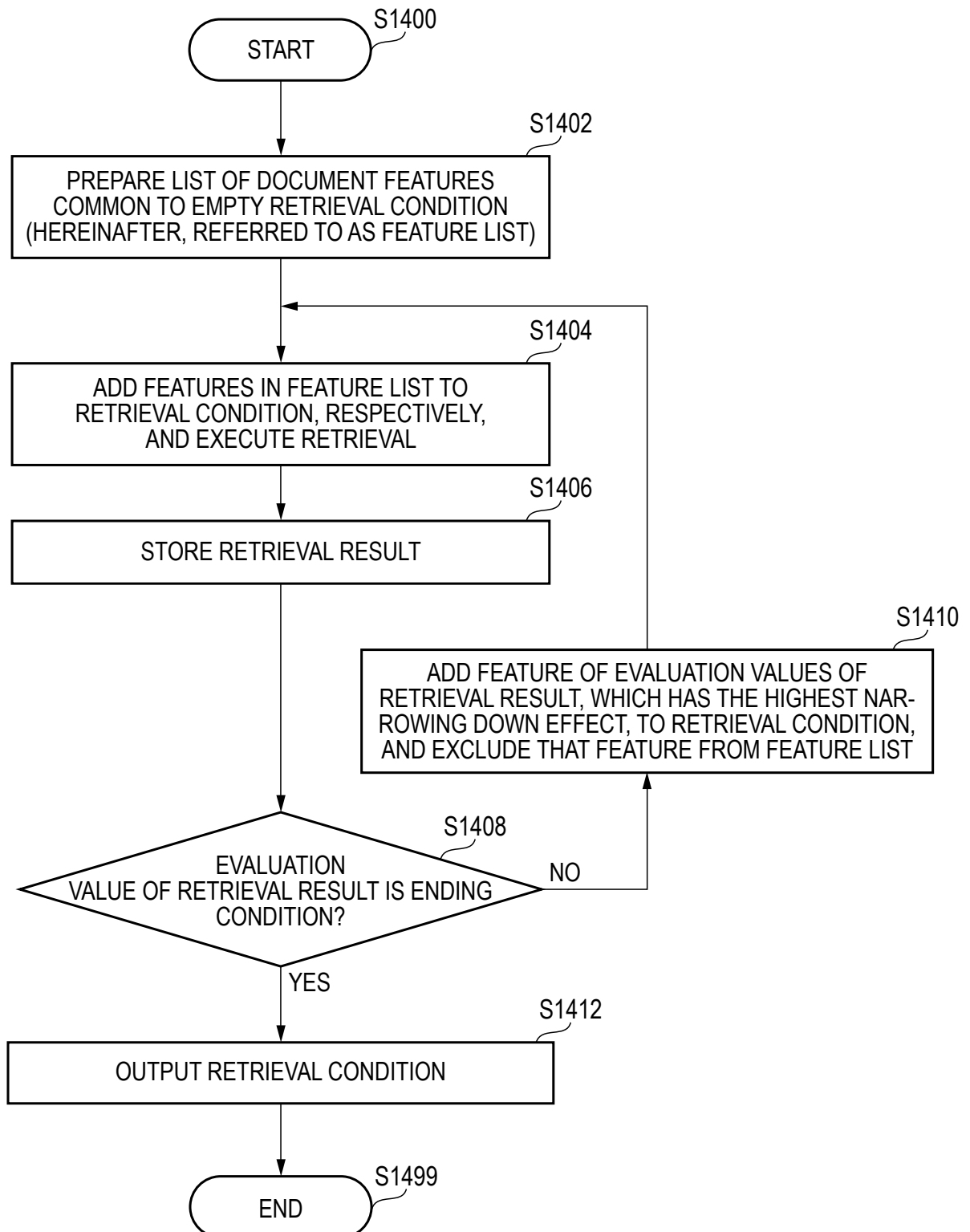
FIG. 14

FIG. 15

