

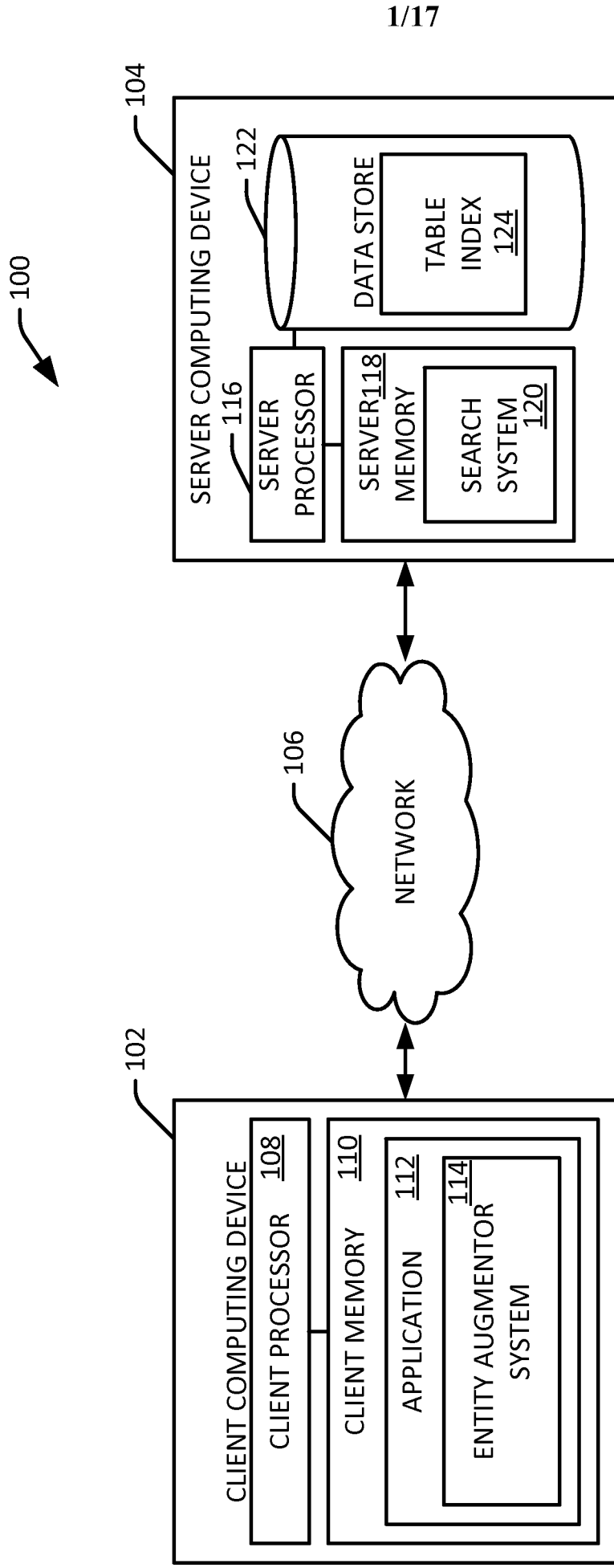
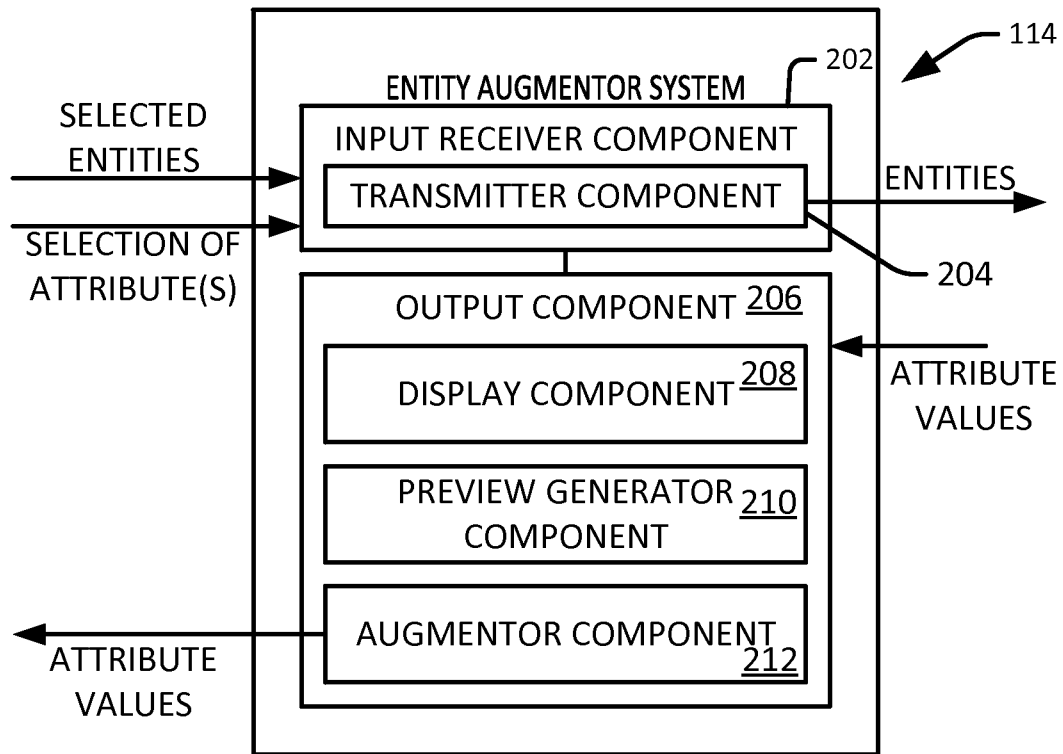
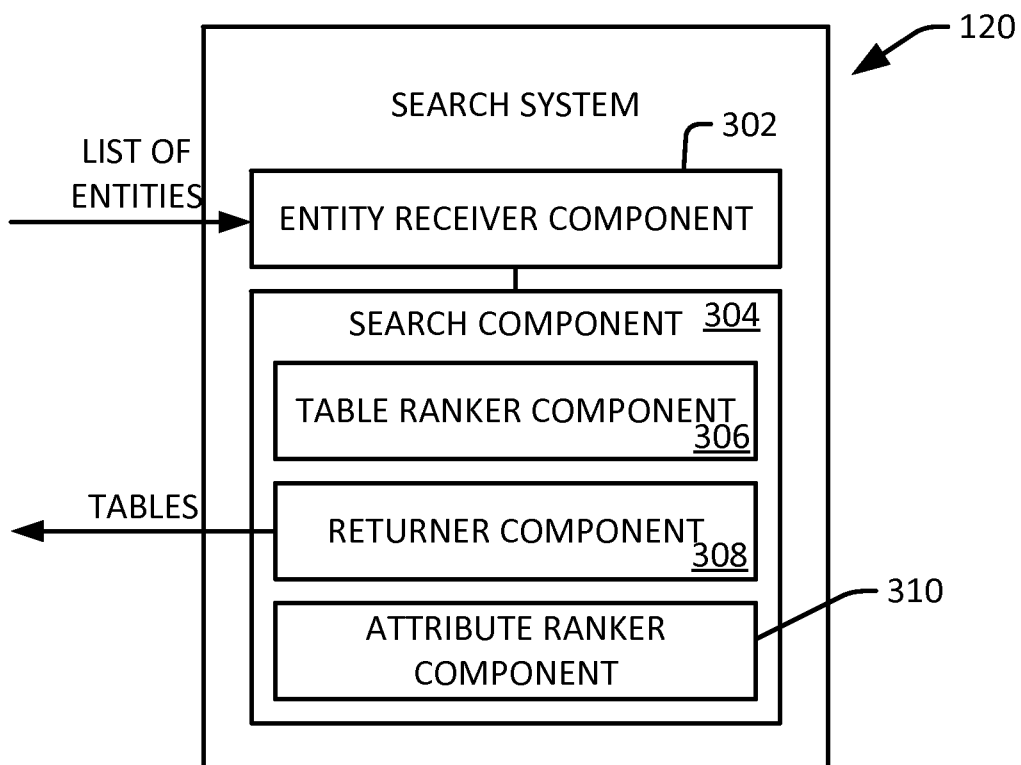


FIG. 1

**FIG. 2****FIG. 3**

400

TOOLBAR

404

|         |           |             |   |       |   |     |
|---------|-----------|-------------|---|-------|---|-----|
|         | A         | B           | C | D     | E | F   |
| 1       | ENTITY    |             |   |       |   |     |
| 2       | ENTITY 1  |             |   |       |   | 402 |
| 3       | ENTITY 2  |             |   |       |   |     |
| 4       | ENTITY 3  |             |   |       |   |     |
| 5       | ENTITY 4  |             |   |       |   |     |
| 6       | ENTITY 5  |             |   |       |   |     |
| 7       | ENTITY 6  | 411         |   |       |   |     |
| 8       | ENTITY 7  |             |   |       |   |     |
| 9       | ENTITY 8  |             |   |       |   |     |
| 10      | ENTITY 9  | 412         |   |       |   |     |
| 11      | ENTITY 10 |             |   |       |   |     |
| 12      | ENTITY 11 |             |   |       |   |     |
| 13      | ENTITY 12 |             |   |       |   |     |
| TABLE 1 |           | NEW         |   | 408   |   |     |
| 406     |           | QUERY FIELD |   | GO    |   |     |
|         |           |             |   | 410   |   |     |
|         |           |             |   | SPEAK |   |     |

FIG. 4

500

TOOLBAR

404

|     | A         | B           | C   | D     | E | F   |
|-----|-----------|-------------|-----|-------|---|-----|
| 1   | ENTITY    |             |     |       |   |     |
| 2   | ENTITY 1  | 411         |     |       |   | 402 |
| 3   | ENTITY 2  |             |     |       |   |     |
| 4   | ENTITY 3  |             |     |       |   |     |
| 5   | ENTITY 4  |             |     |       |   |     |
| 6   | ENTITY 5  |             |     |       |   |     |
| 7   | ENTITY 6  |             |     |       |   |     |
| 8   | ENTITY 7  |             |     |       |   |     |
| 9   | ENTITY 8  |             |     |       |   |     |
| 10  | ENTITY 9  |             |     |       |   |     |
| 11  | ENTITY 10 |             |     |       |   |     |
| 12  | ENTITY 11 |             |     |       |   |     |
| 13  | ENTITY 12 |             |     |       |   |     |
| 406 |           | TABLE 1     | NEW | 410   |   |     |
|     |           | QUERY FIELD | GO  | SPEAK |   |     |

502

OPTION 1  
OPTION 2  
OPTION 3  
DFD SEARCH

412

FIG. 5

600

| TOOLBAR |           |             |   |       |   |     | 404 |
|---------|-----------|-------------|---|-------|---|-----|-----|
|         | A         | B           | C | D     | E | F   |     |
| 1       | ENTITY    | ATTRIBUTE 1 |   |       |   |     |     |
| 2       | ENTITY 1  | VALUE 1     |   |       |   | 402 |     |
| 3       | ENTITY 2  | VALUE 2     |   |       |   |     |     |
| 4       | ENTITY 3  | VALUE 3     |   |       |   |     |     |
| 5       | ENTITY 4  | VALUE 4     |   |       |   |     |     |
| 6       | ENTITY 5  | VALUE 5     |   |       |   |     |     |
| 7       | ENTITY 6  | VALUE 6     |   |       |   |     |     |
| 8       | ENTITY 7  | VALUE 7     |   |       |   |     |     |
| 9       | ENTITY 8  | VALUE 8     |   |       |   |     |     |
| 10      | ENTITY 9  | 411         |   |       |   |     |     |
| 11      | ENTITY 10 |             |   |       |   |     |     |
| 12      | ENTITY 11 |             |   |       |   |     |     |
| 13      | ENTITY 12 |             |   |       |   |     |     |
| TABLE 1 |           | NEW         |   | 410   |   |     |     |
| 406     |           | QUERY FIELD |   | SPEAK |   |     |     |
|         |           |             |   | GO    |   |     |     |

602

FIG. 6

700

| TOOLBAR |             |             |     |   |       |     | 404 |
|---------|-------------|-------------|-----|---|-------|-----|-----|
|         | A           | B           | C   | D | E     | F   |     |
| 1       | ENTITY      | ATTRIBUTE 1 |     |   |       |     |     |
| 2       | ENTITY 1    | VALUE 1     |     |   |       | 402 |     |
| 3       | ENTITY 2    | VALUE 2     |     |   |       |     |     |
| 4       | ENTITY 3    | VALUE 3     |     |   |       |     |     |
| 5       | ENTITY 4    | VALUE 4     |     |   |       |     |     |
| 6       | ENTITY 5    | VALUE 5     |     |   |       |     |     |
| 7       | ENTITY 6    | VALUE 6     |     |   |       |     |     |
| 8       | ENTITY 7    | VALUE 7     |     |   |       |     |     |
| 9       | ENTITY 8    | VALUE 8     |     |   |       |     |     |
| 10      | ENTITY 9    |             |     |   |       |     |     |
| 11      | ENTITY 10   |             |     |   |       |     |     |
| 12      | ENTITY 11   |             |     |   |       |     |     |
| 13      | ENTITY 12   |             |     |   |       |     |     |
| TABLE 1 |             | NEW         | 408 |   |       |     |     |
| 406     | QUERY FIELD |             | GO  |   | 410   |     |     |
|         |             |             |     |   | SPEAK |     |     |

702  
ENTITY 4  
ENTITY 4 (DIFFERENT SPELLING)

412

FIG. 7

800

TOOLBAR

404

|         | A         | B           | C   | D   | E                      | F     |
|---------|-----------|-------------|-----|-----|------------------------|-------|
| 1       | ENTITY    |             |     |     | SEARCH RESULTS         | 802   |
| 2       | ENTITY 1  |             |     |     | TABLE 1 SNIPPET<br>804 |       |
| 3       | ENTITY 2  |             | 402 |     |                        |       |
| 4       | ENTITY 3  |             |     |     |                        |       |
| 5       | ENTITY 4  |             |     |     |                        |       |
| 6       | ENTITY 5  |             |     |     | TABLE 2 SNIPPET        | 806   |
| 7       | ENTITY 6  |             |     |     |                        |       |
| 8       | ENTITY 7  |             |     |     | TABLE 3 SNIPPET        | 808   |
| 9       | ENTITY 8  |             |     |     |                        |       |
| 10      | ENTITY 9  |             |     |     |                        |       |
| 11      | ENTITY 10 |             |     |     | TABLE 4 SNIPPET        | 810   |
| 12      | ENTITY 11 |             |     |     |                        |       |
| 13      | ENTITY 12 |             |     |     |                        |       |
| TABLE 1 |           | NEW         |     | 408 |                        |       |
| 406     |           | QUERY FIELD |     | GO  |                        | 410   |
|         |           |             |     |     |                        | SPEAK |

FIG. 8

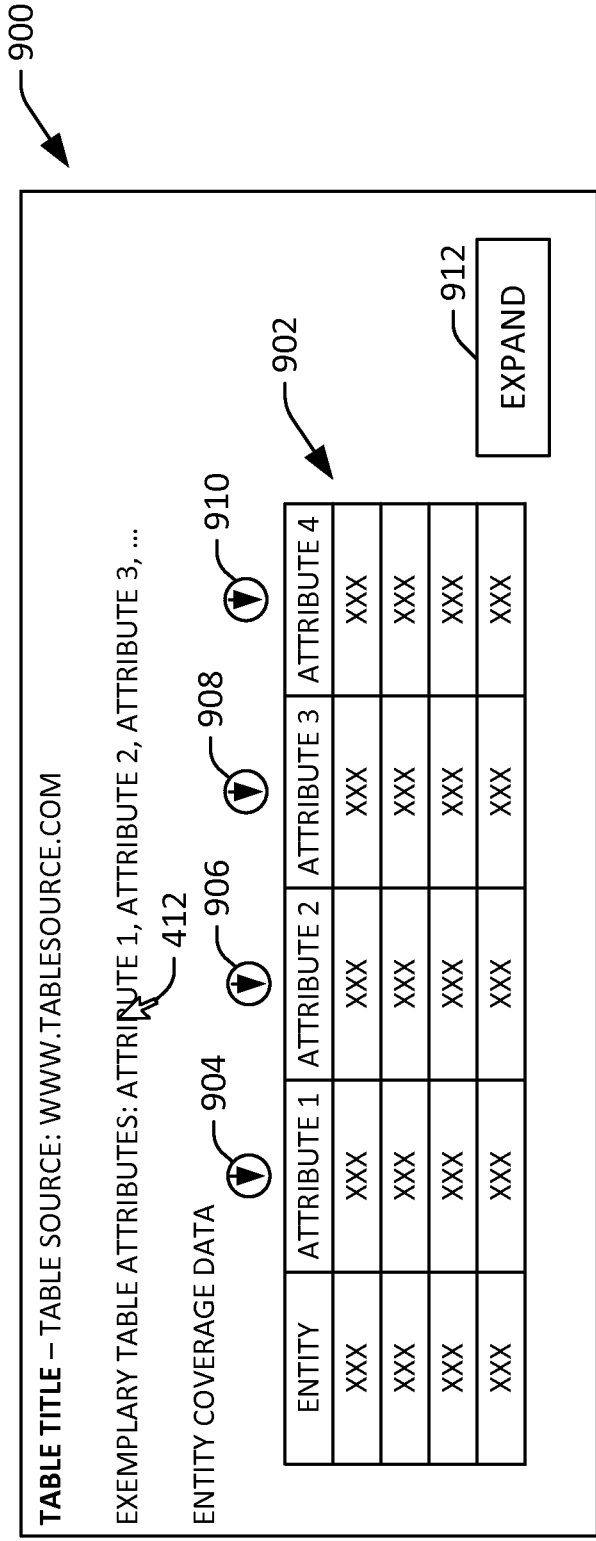


FIG. 9

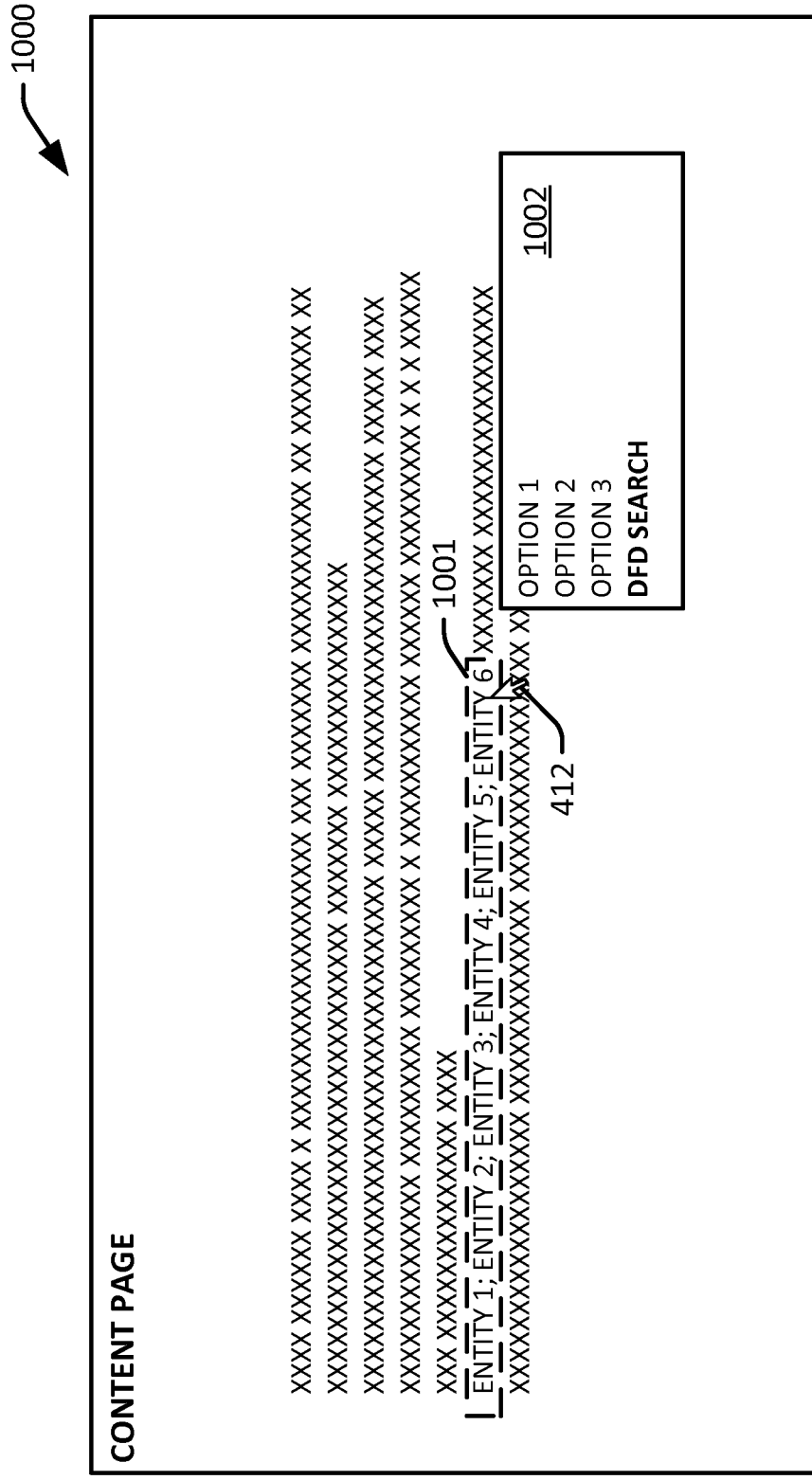


FIG. 10

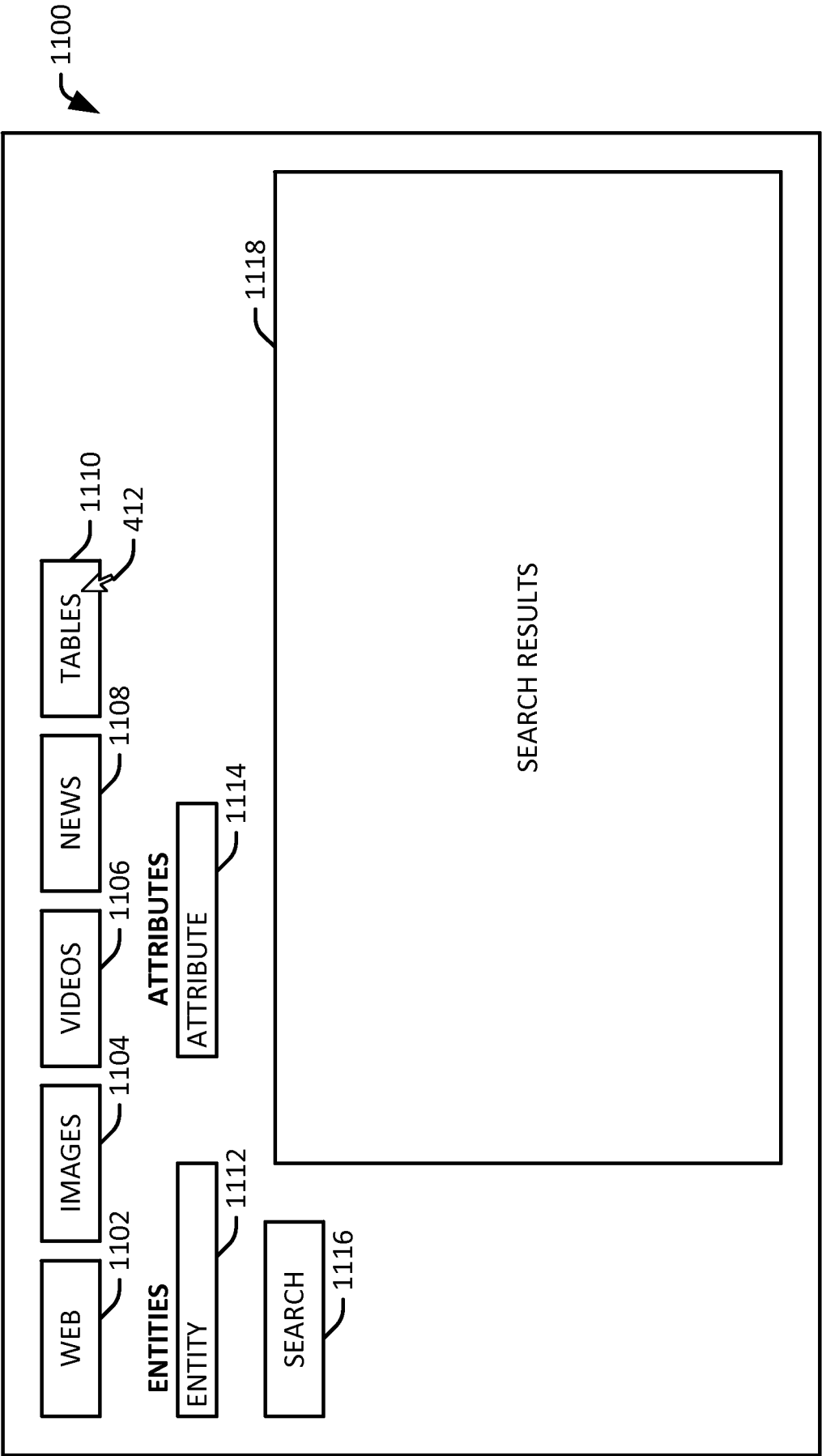


FIG. 11

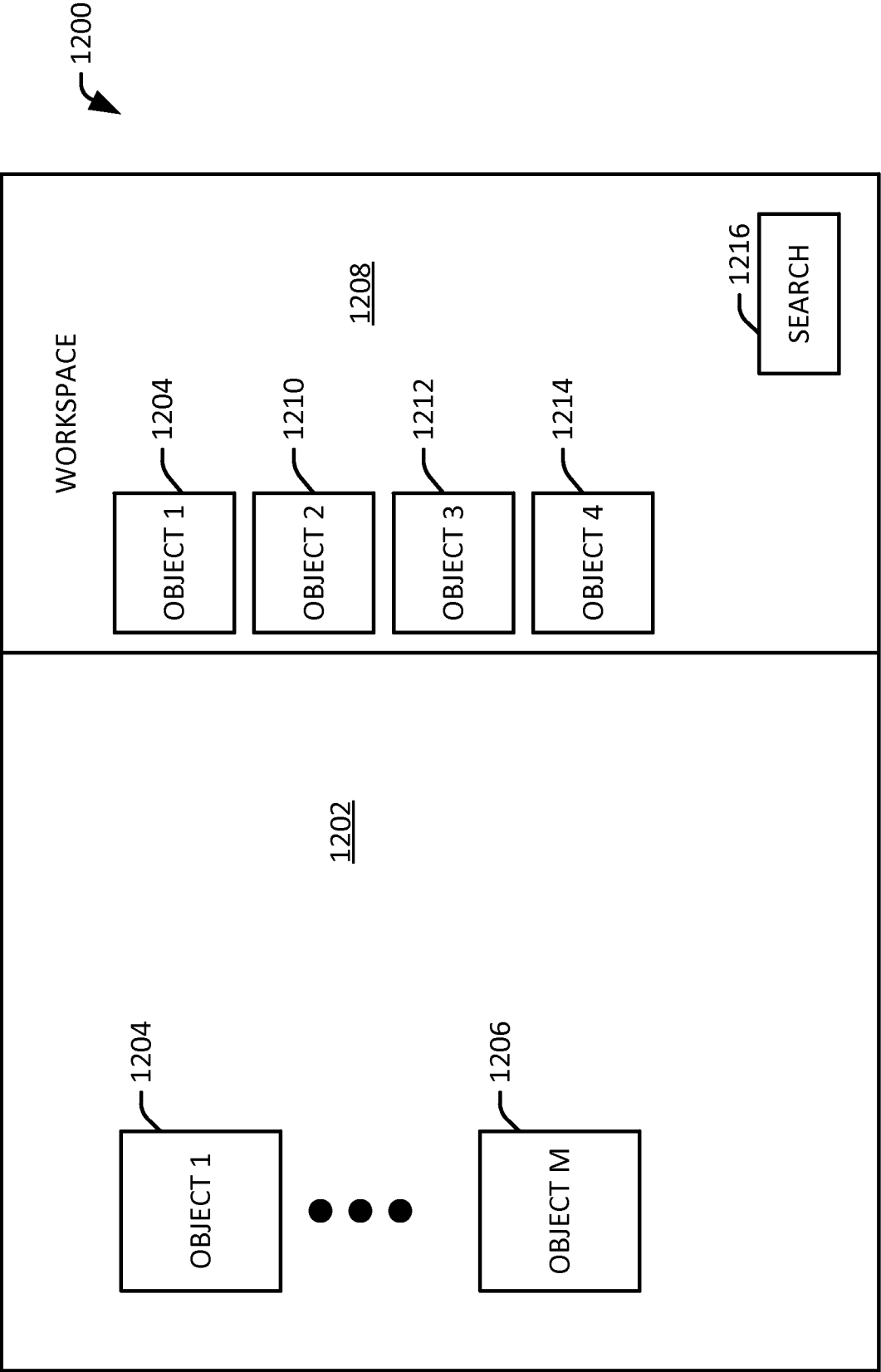
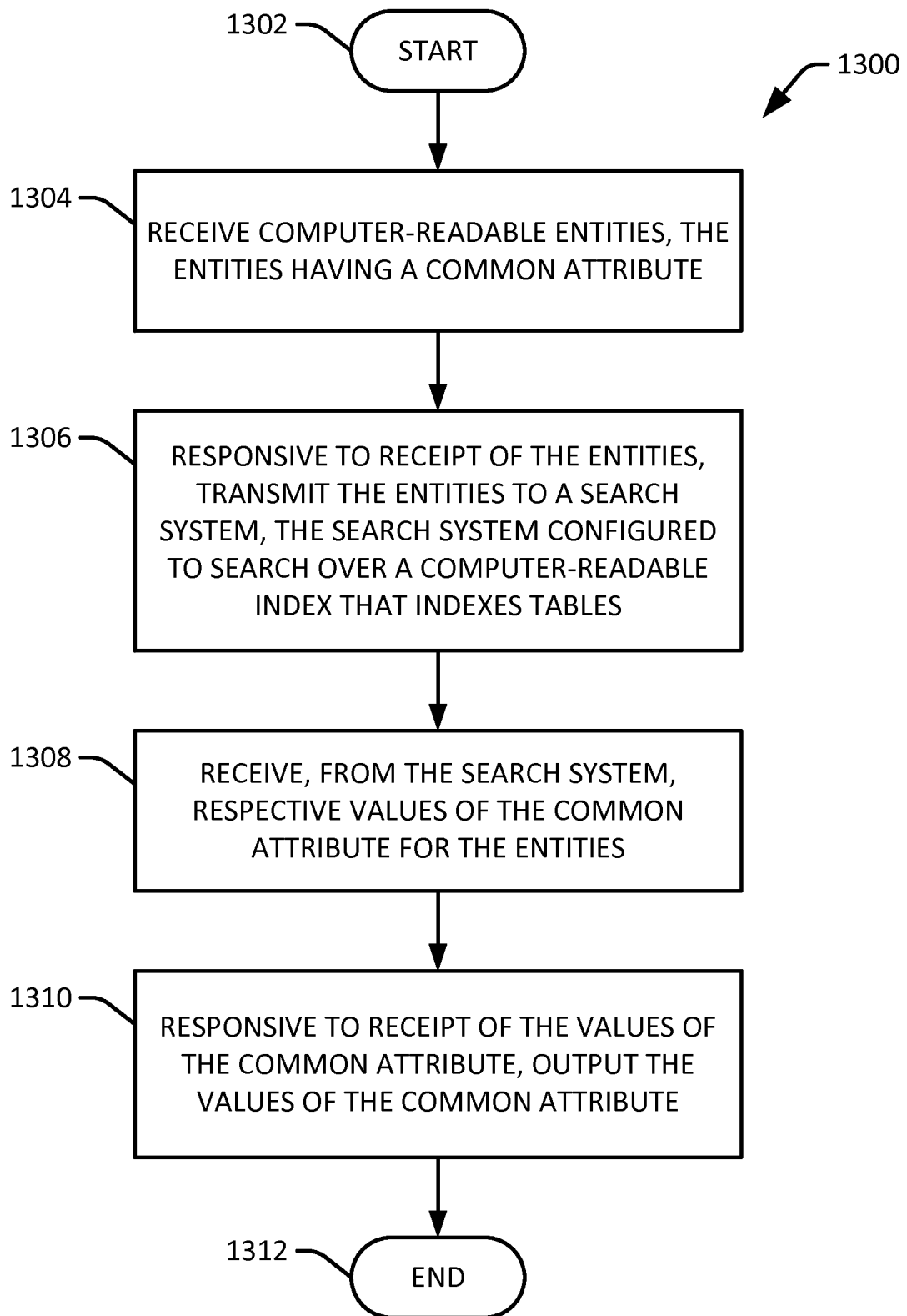
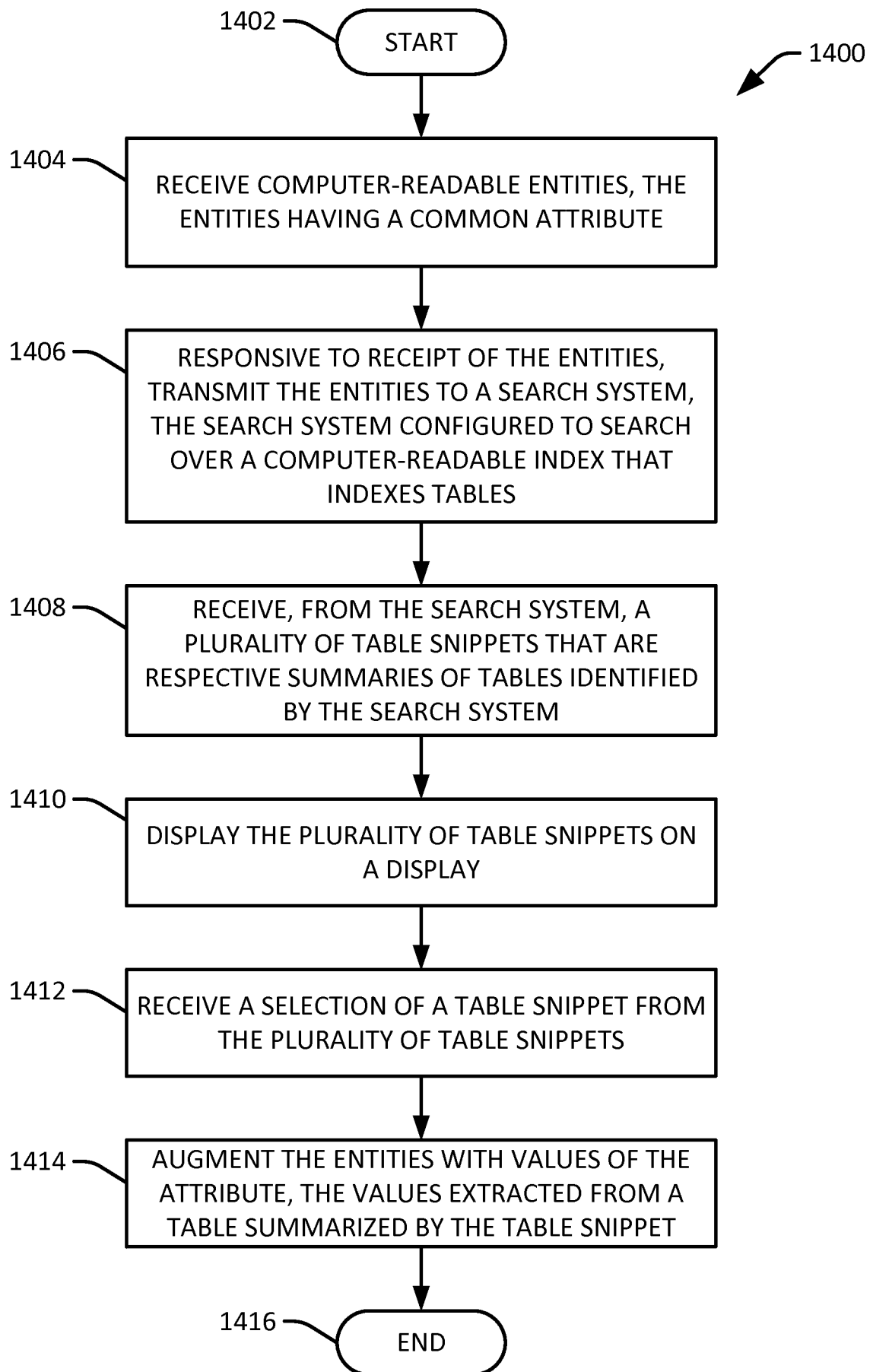
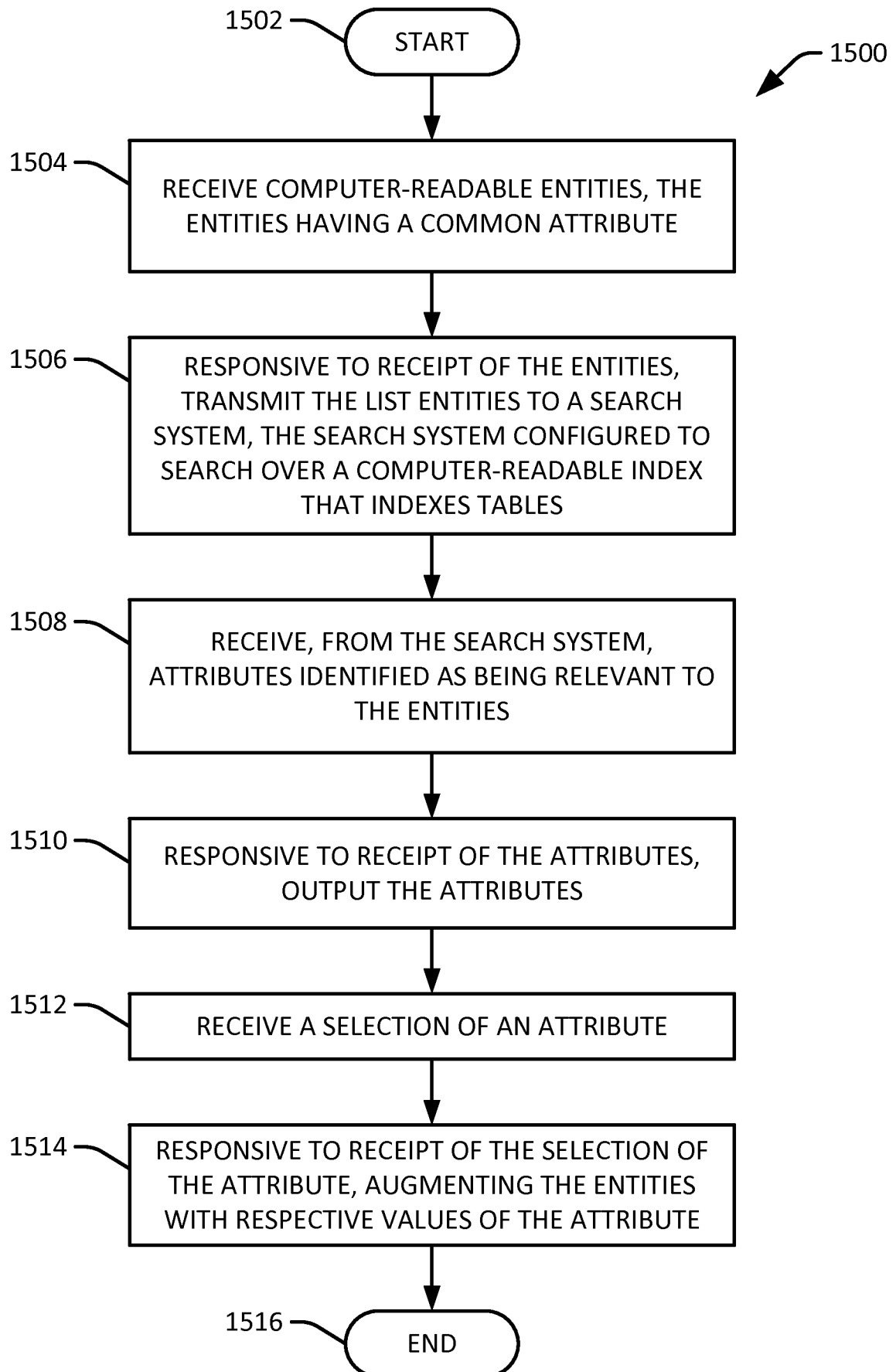
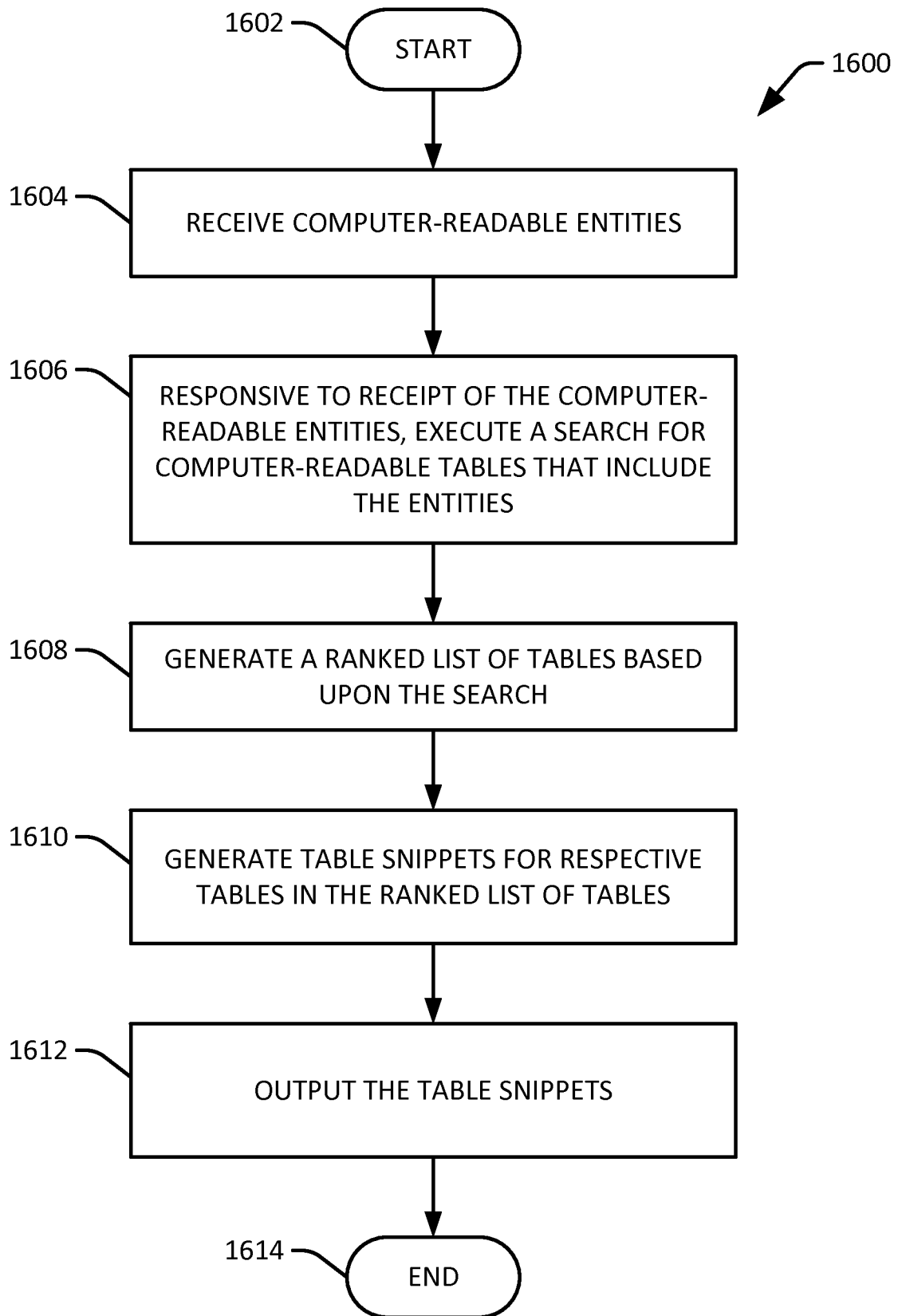


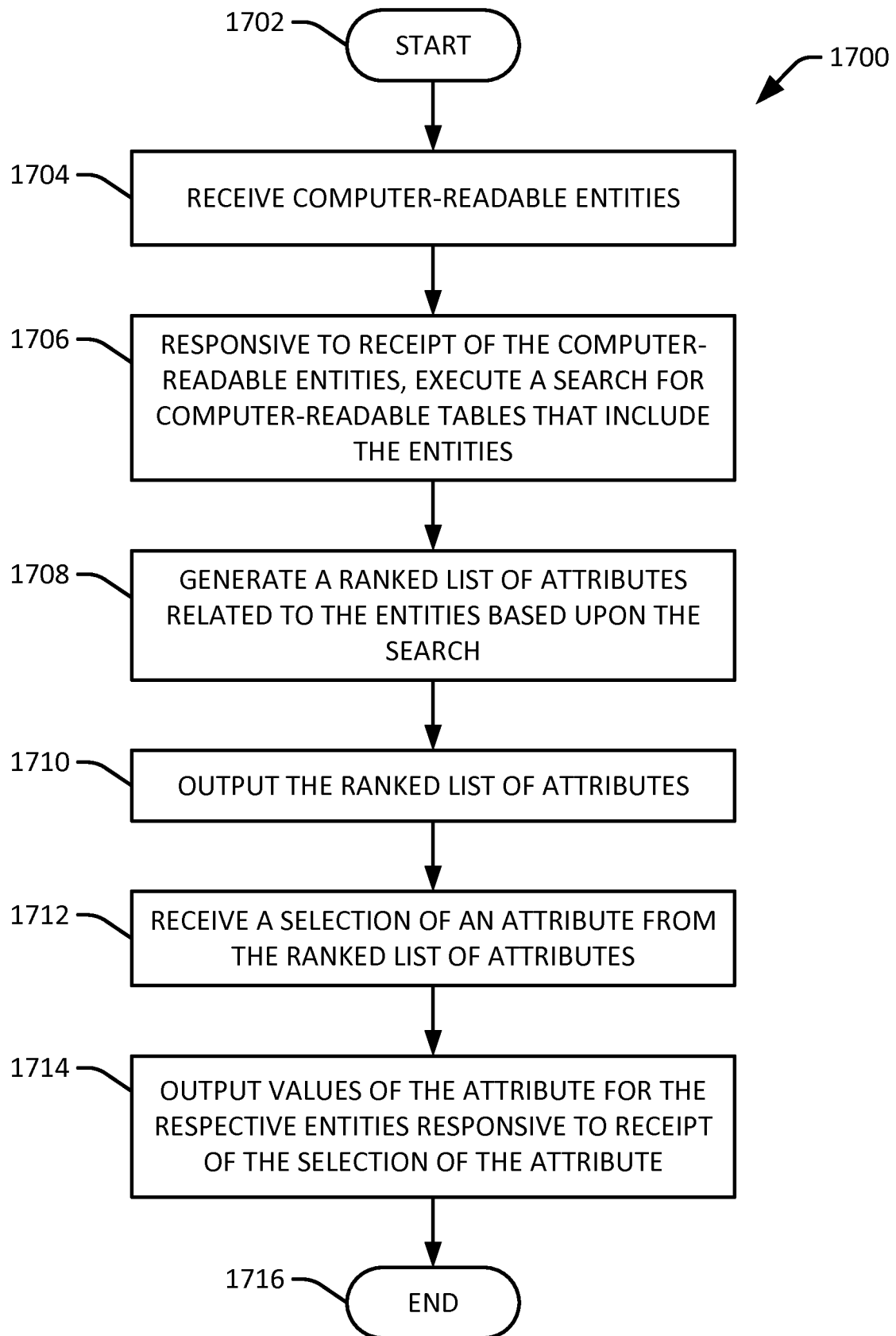
FIG. 12

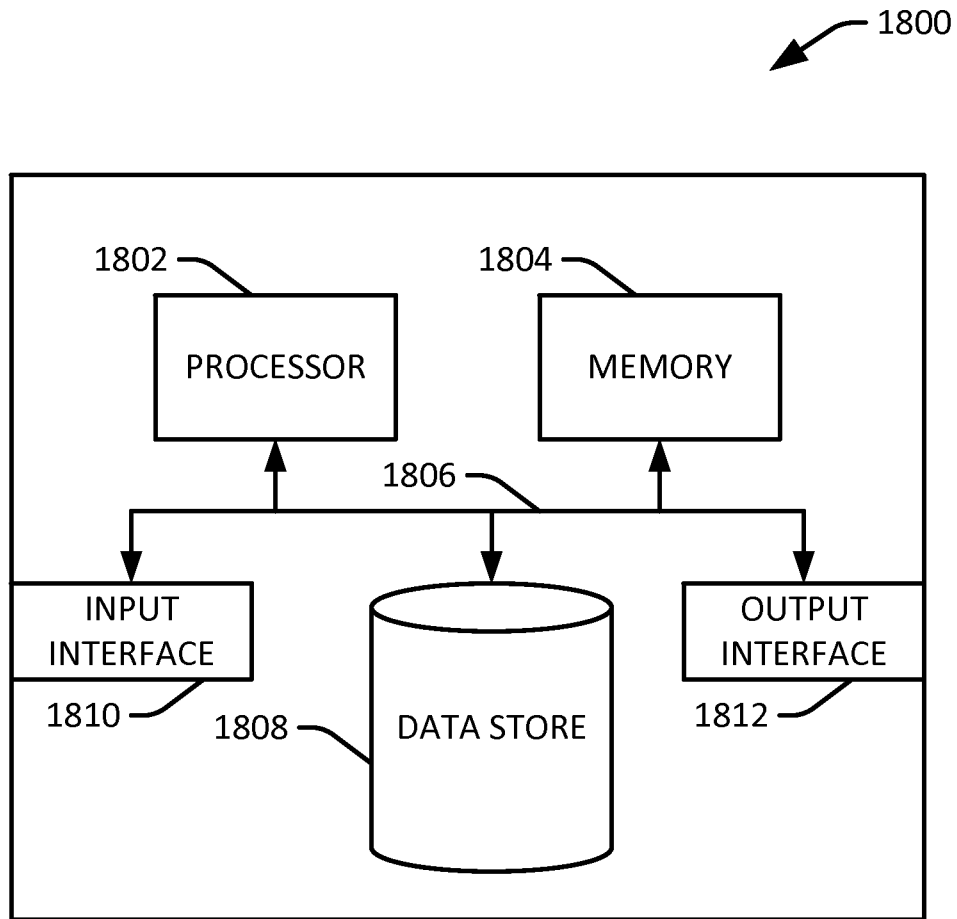
**FIG. 13**

**FIG. 14**

**FIG. 15**

**FIG. 16**

**FIG. 17**

**FIG. 18**