

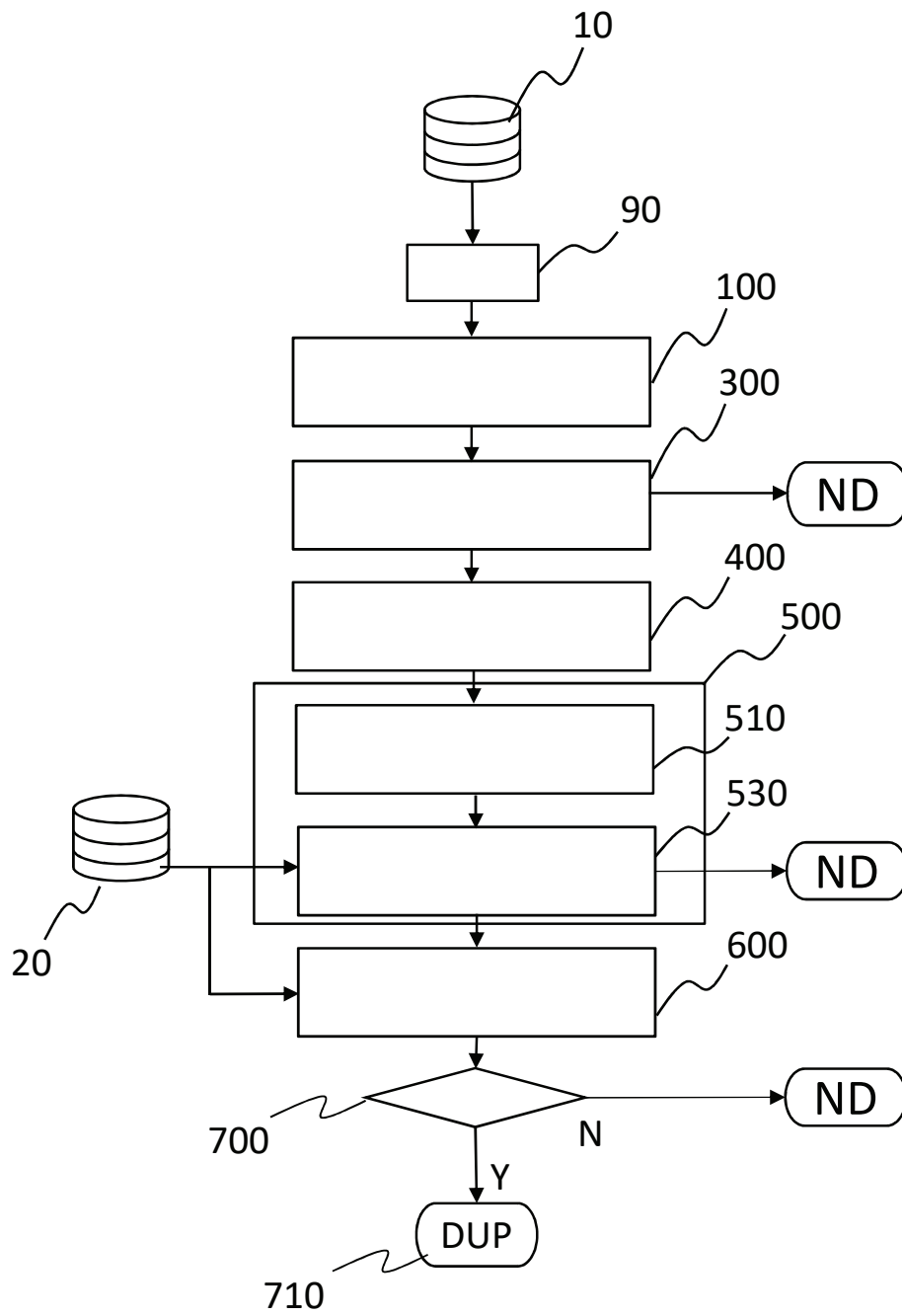


FIG. 1

| DATA STANDARDIZATION  |                   |
|-----------------------|-------------------|
| NON-STANDARDIZED DATA | STANDARDIZED DATA |
| STREET                | ST                |
| GANG II               | GANG 2            |
| SIXTH AVENUE          | 6 AVE             |

FIG. 2

| DATA PARSING   |                                      |
|----------------|--------------------------------------|
| UNPARSED DATA  | PARSED DATA                          |
| 28 SIN MING LN | HOUSE_NO: 28,<br>STREET: SIN MING LN |

FIG. 3

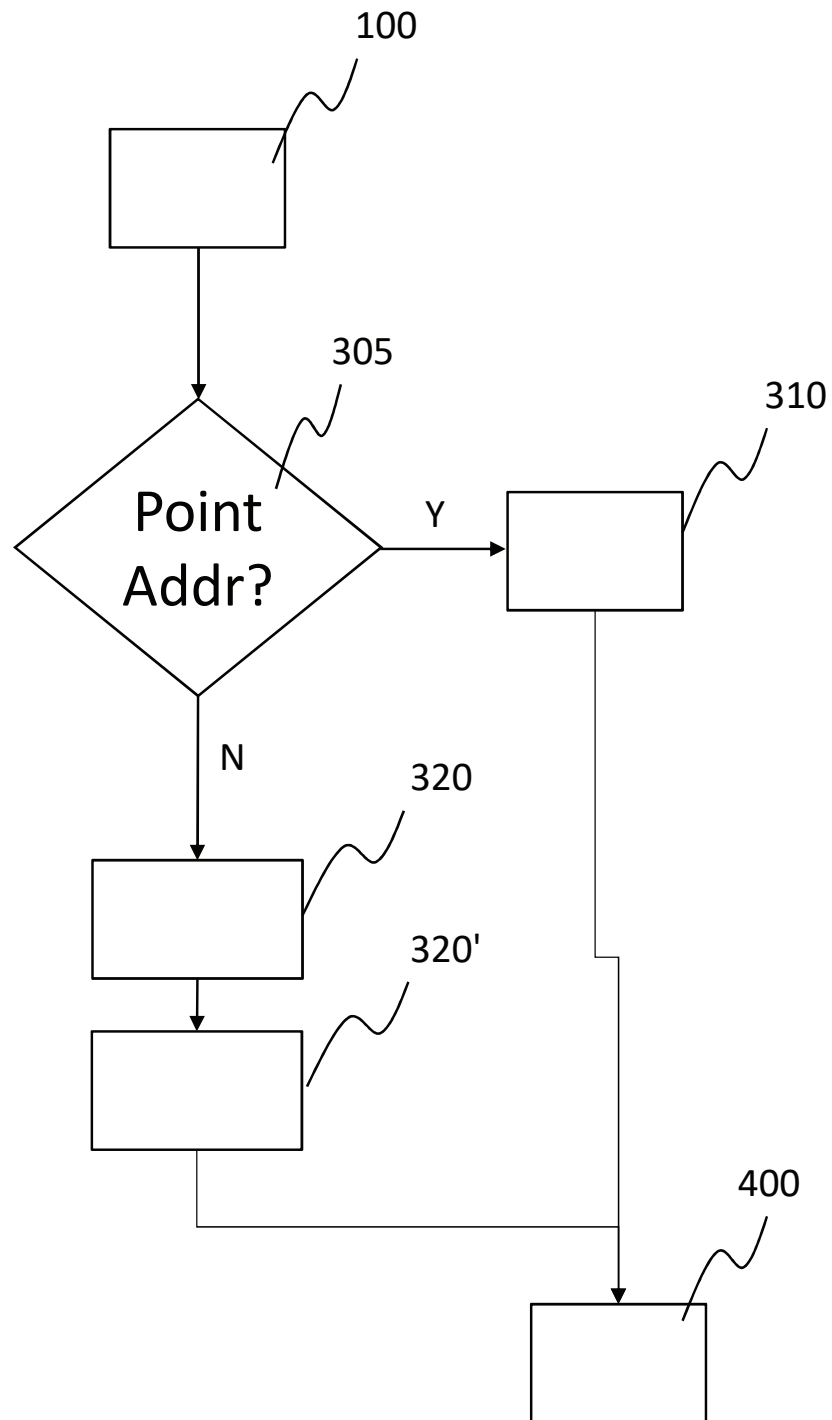


FIG. 4A

310

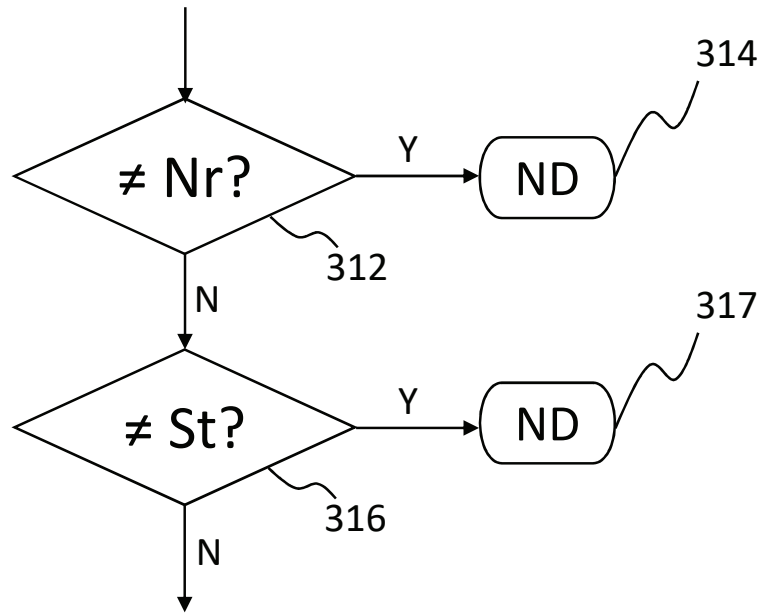


FIG. 4B

320

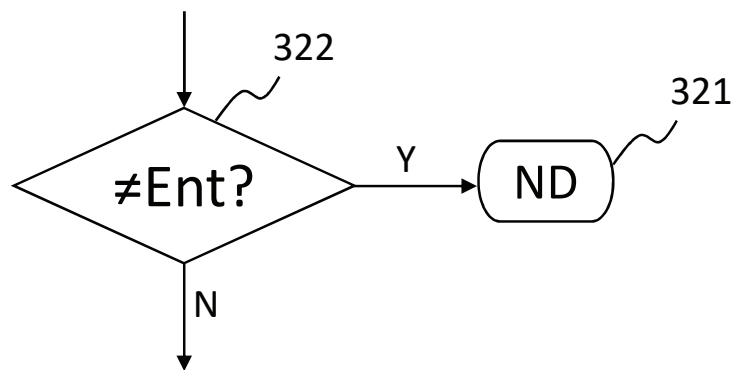


FIG. 4C

| POI CLASSIFICATION  |               |
|---------------------|---------------|
| DATA                | CLASS         |
| 93, JALAN SIDAKARYA | POINT ADDRESS |
| 28 SIN MING LN      | POINT ADDRESS |
| ATM BANK ABANK      | ENTITY        |
| MARINA ONE          | ENTITY        |

FIG. 5A

| ROAD LABEL CHECKING |                     |                     |
|---------------------|---------------------|---------------------|
|                     | EXAMPLE 1           | EXAMPLE 2           |
| RECORD 1            | BENCOOLEN<br>STREET | LEONIE HILL         |
| RECORD 2            | BENCOOLEN<br>LINK   | LEONIE HILL<br>ROAD |
| RESULT              | DIFFERENT<br>ROADS  | DIFFERENT<br>ROADS  |

FIG. 5B

| ENTITY CHECKING |                            |
|-----------------|----------------------------|
|                 | DATA                       |
| RECORD 1        | FASTFOODCS BEAUTY<br>WORLD |
| RECORD 2        | BEAUTY WORLD               |
| Result          | Different Entities         |

FIG. 5C

| COMMON TOKEN LINKING |                                               |                                        |
|----------------------|-----------------------------------------------|----------------------------------------|
|                      | TOKENS BEFORE LINKING                         | TOKENS AFTER LINKING                   |
| RECORD 1             | [ 'JL', 'BRIGJEN', 'KATAMSO' ]                | [ '*', 'BRIGJEN', '*' ]                |
| RECORD 2             | [ 'JL', 'BRIGADIR', 'JENDRAL',<br>'KATAMSO' ] | [ '*', 'BRIGADIR', 'JENDRAL',<br>'*' ] |

FIG. 6

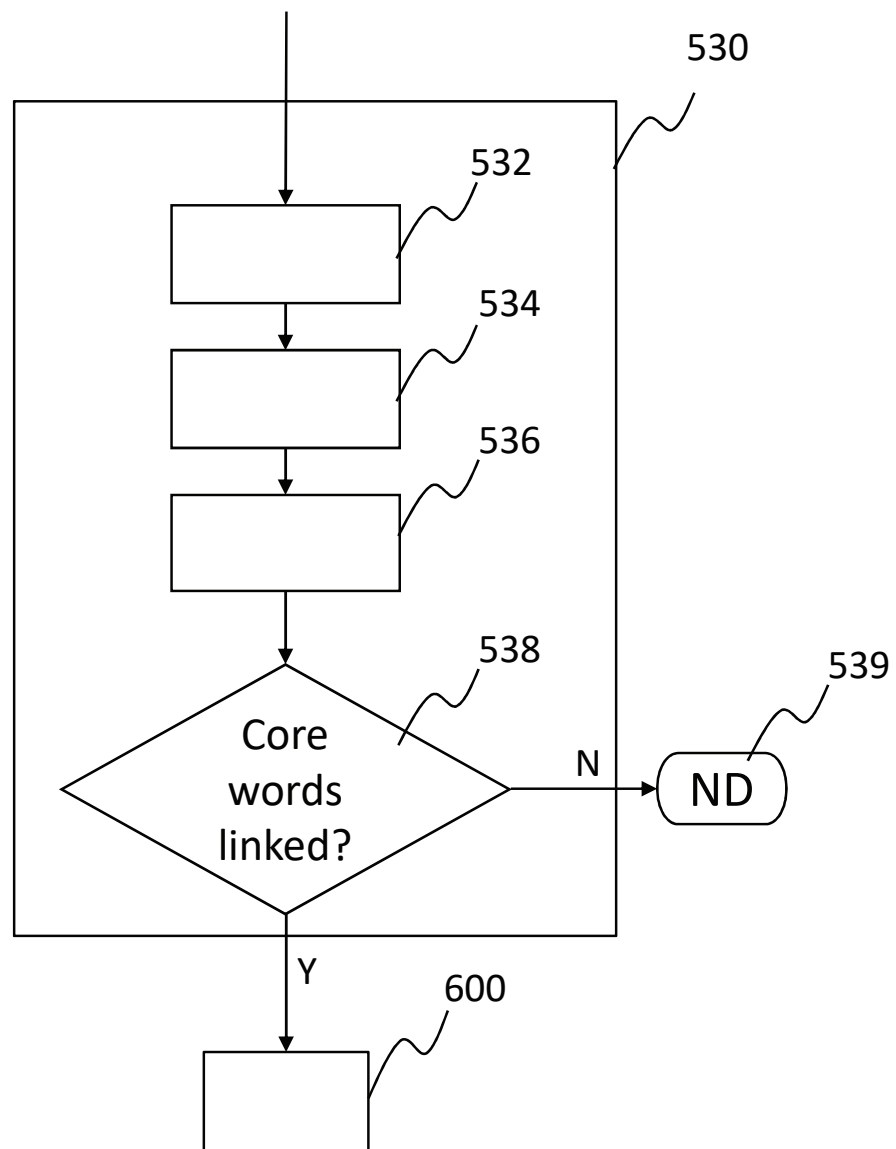


FIG. 7

| SIMILAR TOKEN LINKING |                                        |                                            |                            |
|-----------------------|----------------------------------------|--------------------------------------------|----------------------------|
|                       | TOKENS BEFORE<br>SIMILAR LINKING       | CHECK CONCATEN.<br>AND/OR<br>COMPOUND WORD | TOKENS<br>AFTER<br>LINKING |
| RECORD 1              | [ '*', 'BRIGJEN', '*' ]                | [ '*', 'BRIGADIR',<br>'JENDRAL', '*' ]     | [ '*', '*', '*' ]          |
| RECORD 2              | [ '*', 'BRIGADIR',<br>'JENDRAL', '*' ] | [ '*', 'BRIGADIR',<br>'JENDRAL', '*' ]     | [ '*', '*', '*', '*' ]     |

FIG. 8

| COMPARATIVE EXAMPLE |                                        |                 |
|---------------------|----------------------------------------|-----------------|
|                     | TOKENS                                 | SCORES          |
| RECORD 1            | [ 'FASTFOODCS',<br>'BEAUTY', 'WORLD' ] | [5.2, 6.2, 6.2] |
| RECORD 2            | [ 'BEAUTY', 'WORLD' ]                  | [6.2, 6.2]      |
| NOT LINKED<br>TOKEN | FASTFOODCS                             | [5.2]           |

FIG. 9

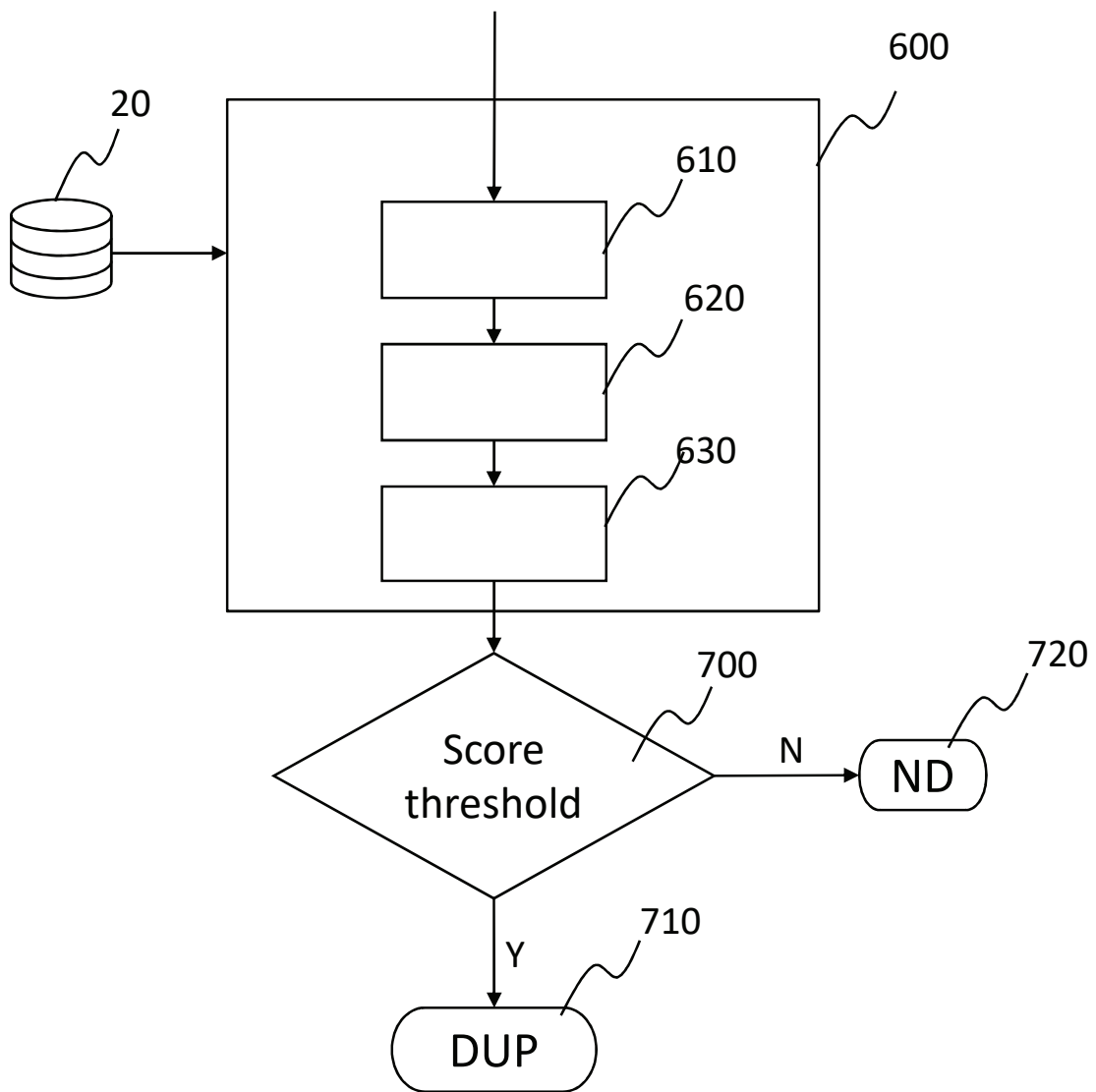


FIG. 10

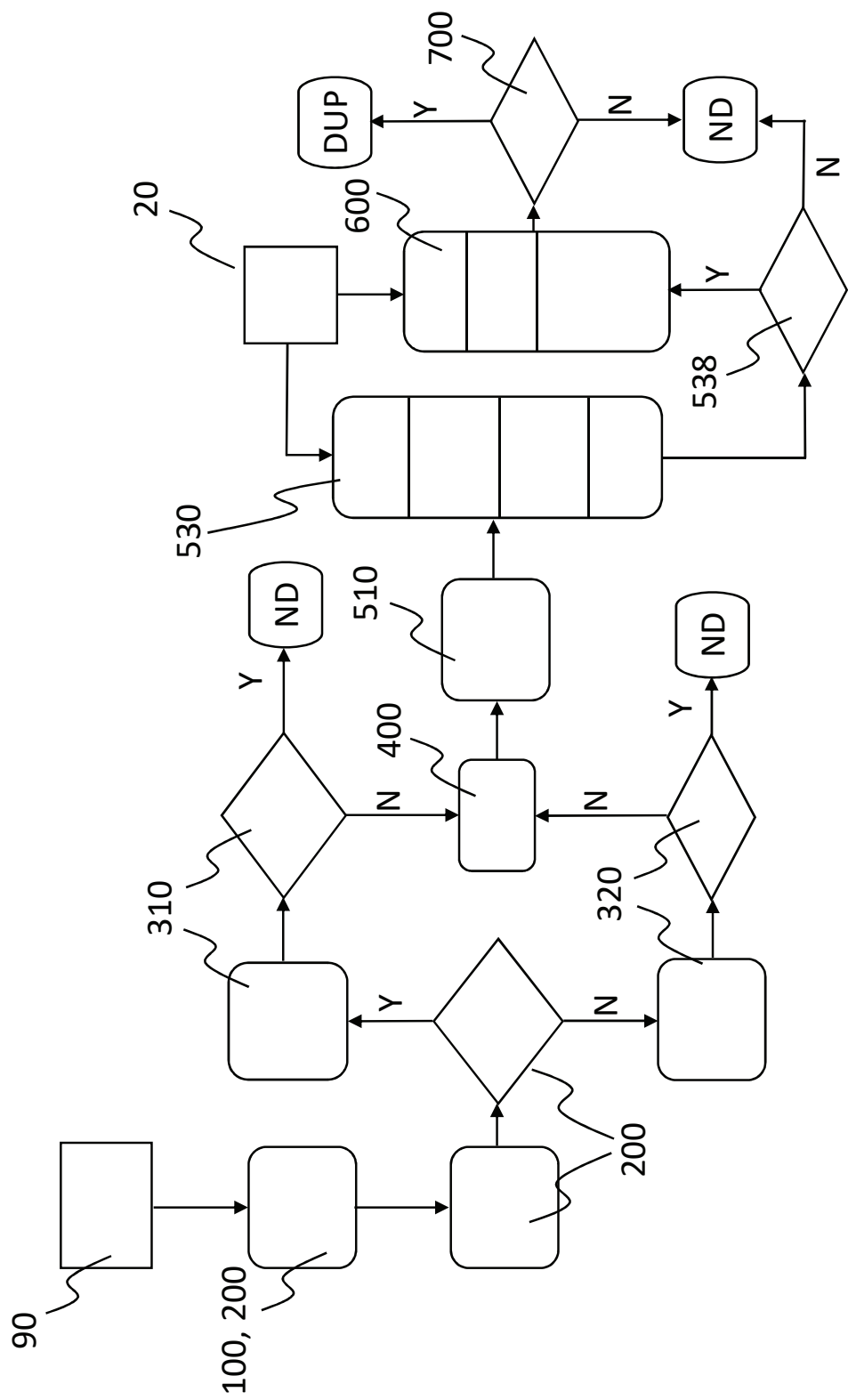


FIG. 11

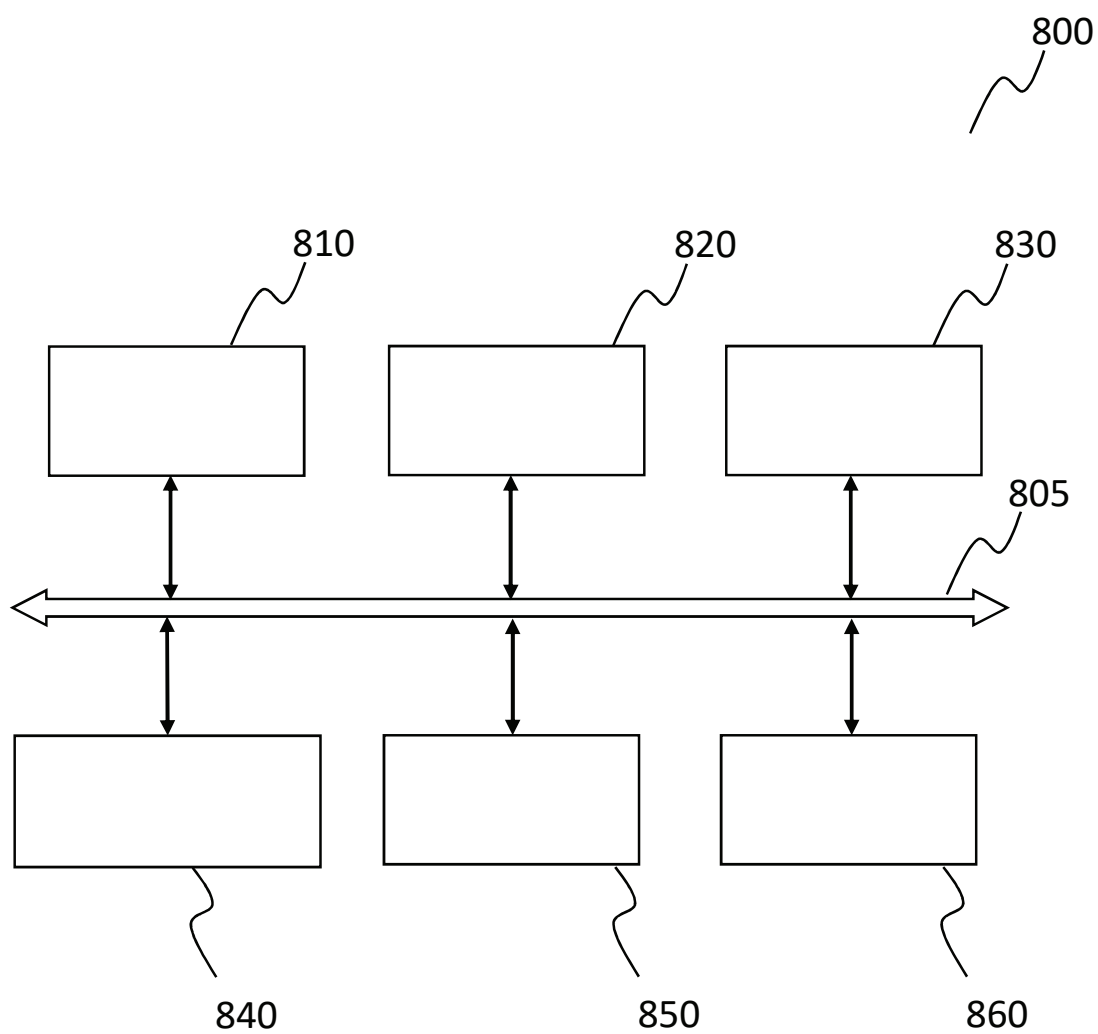


FIG. 12