

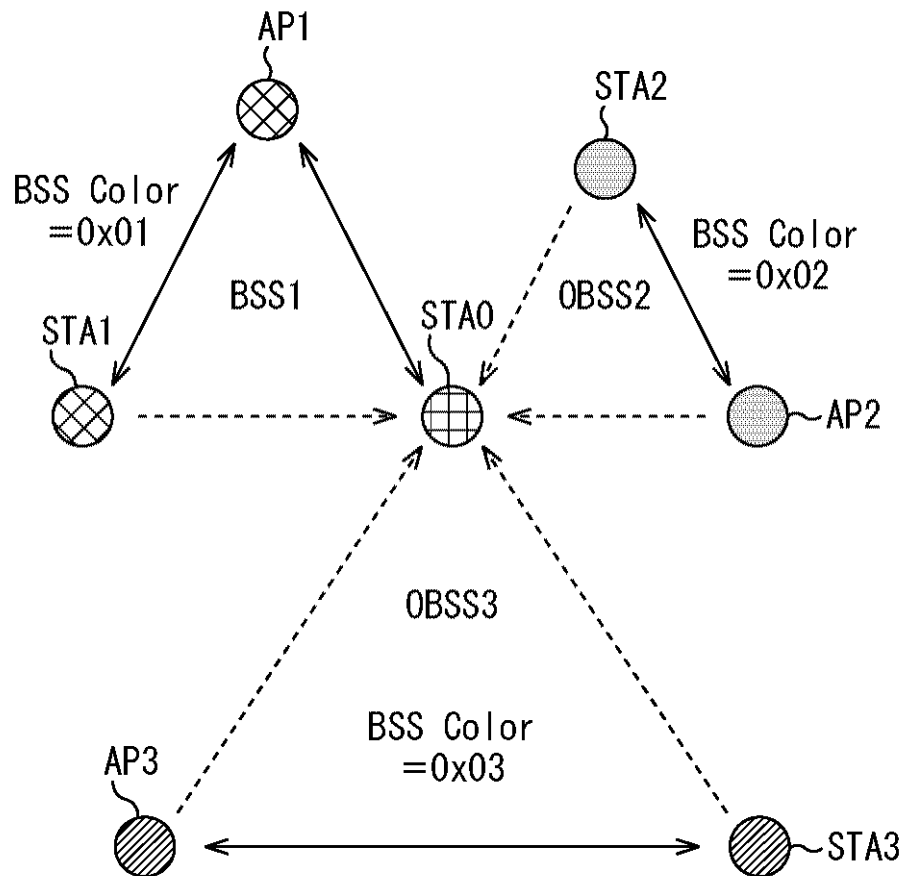
**FIG. 1**

FIG. 2

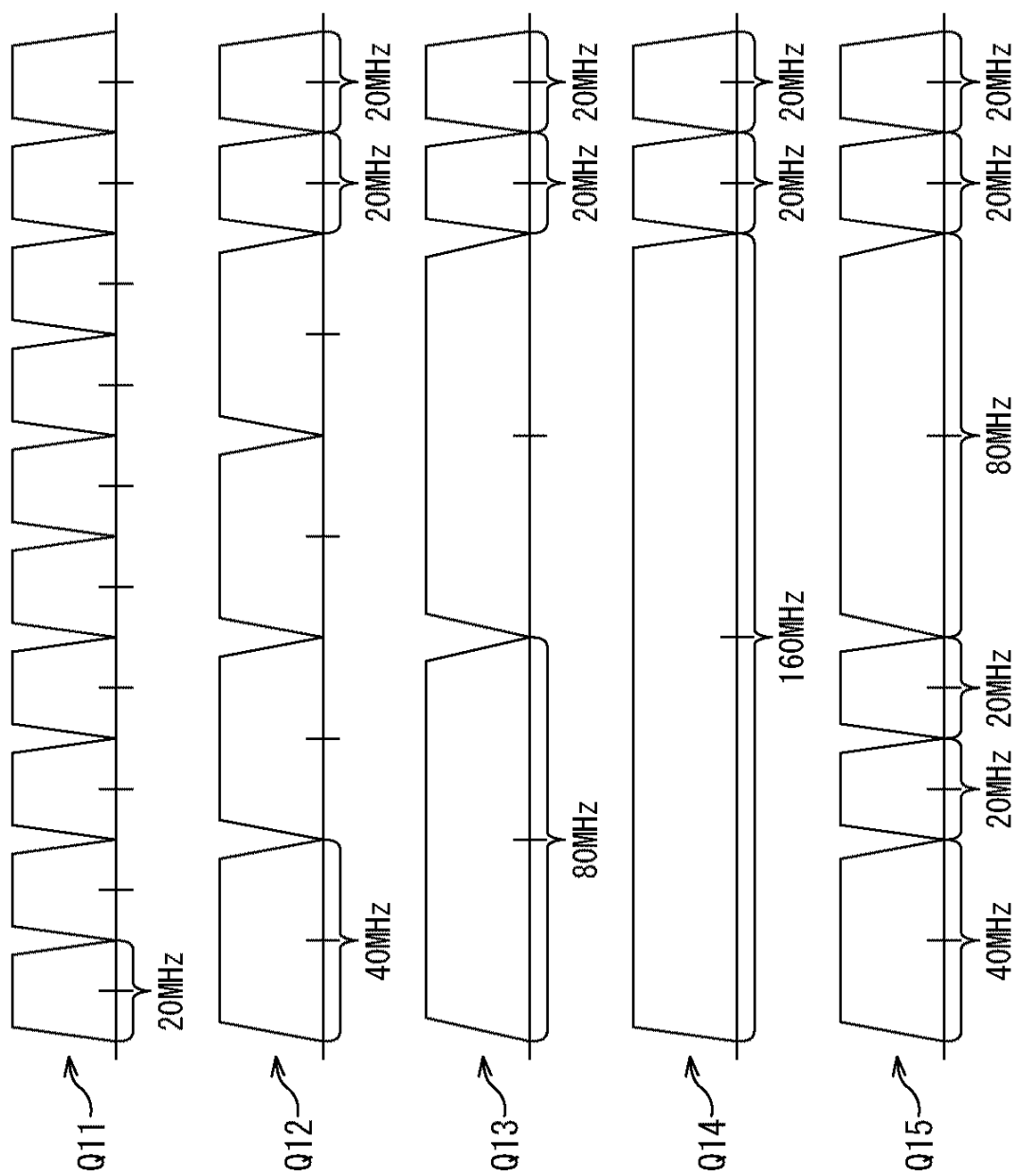


FIG. 3

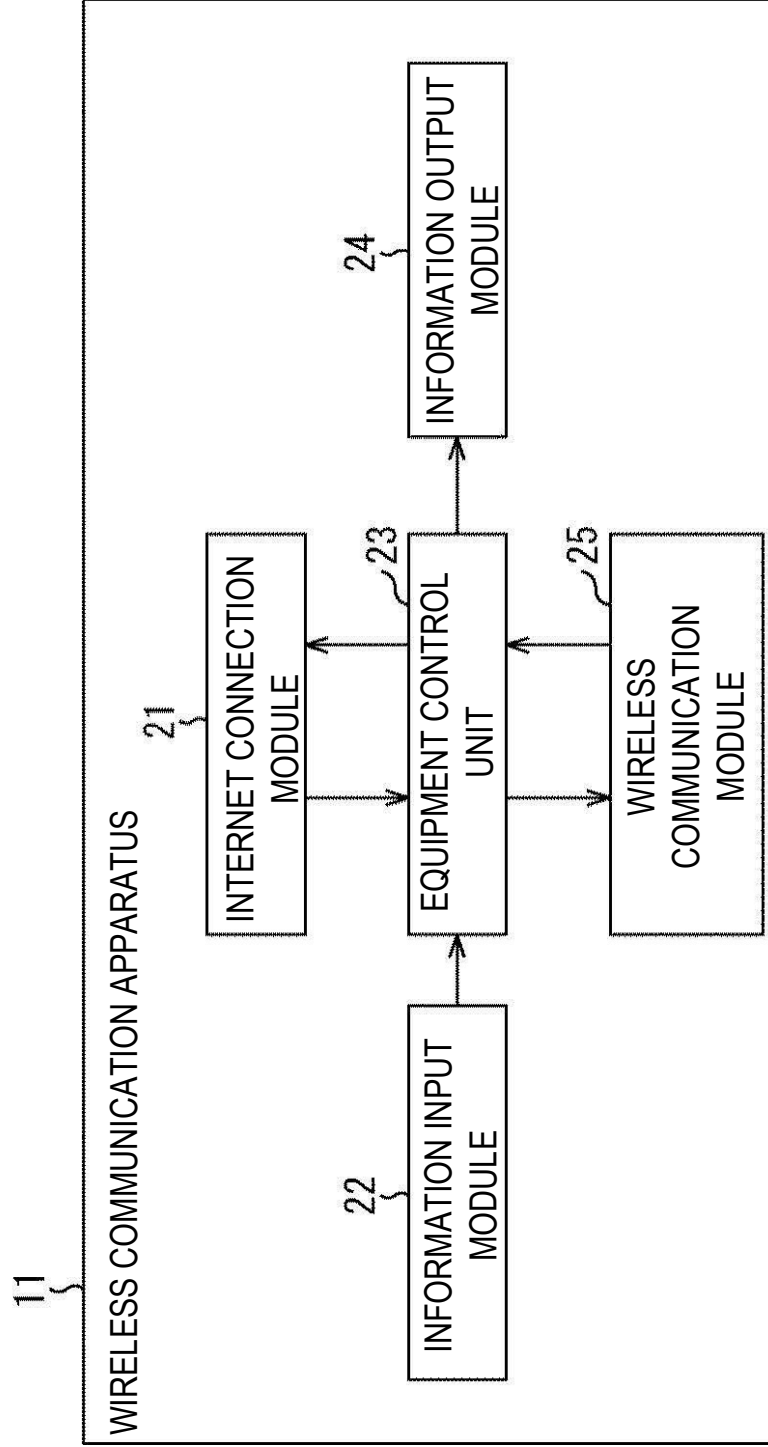


FIG. 4

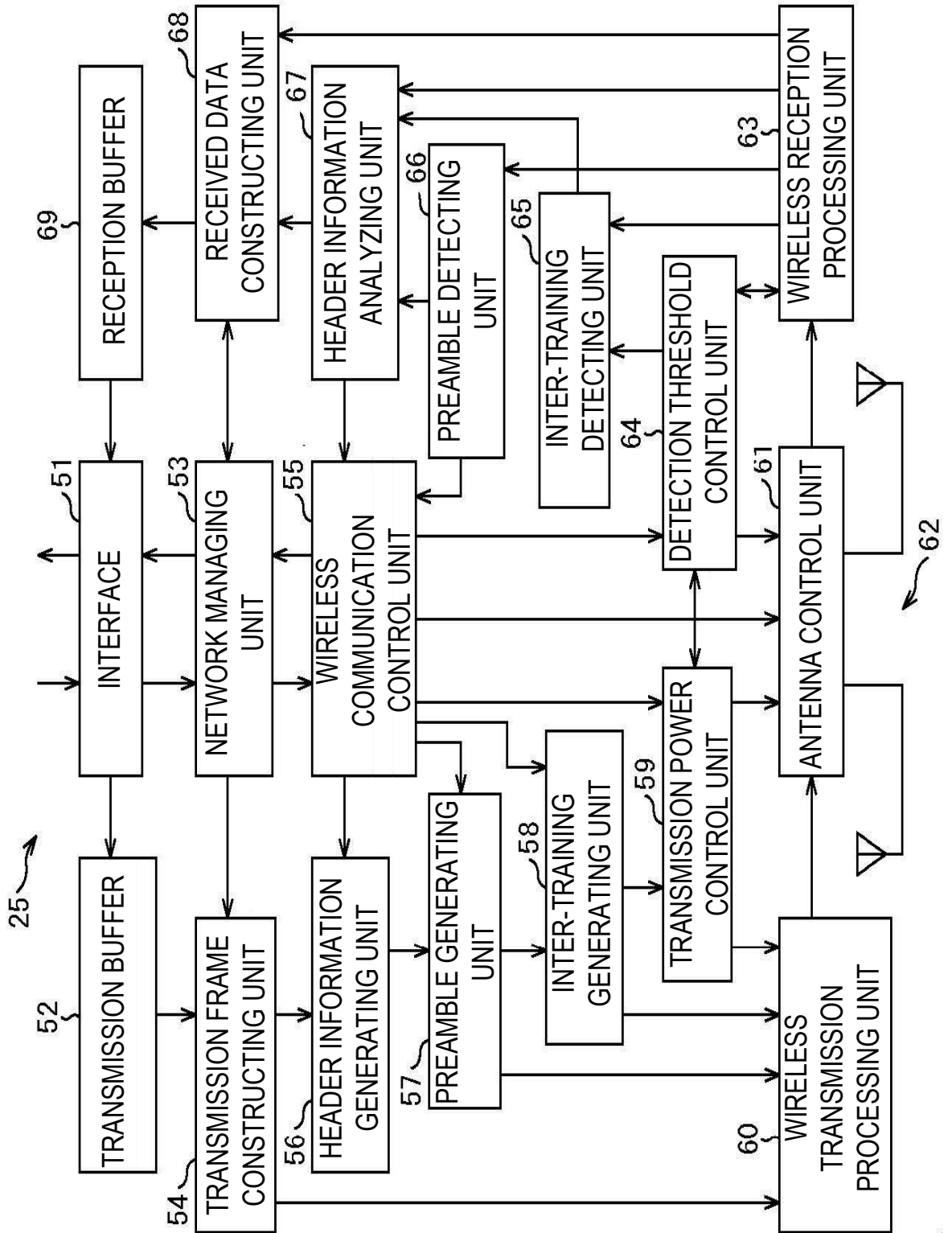


FIG. 5

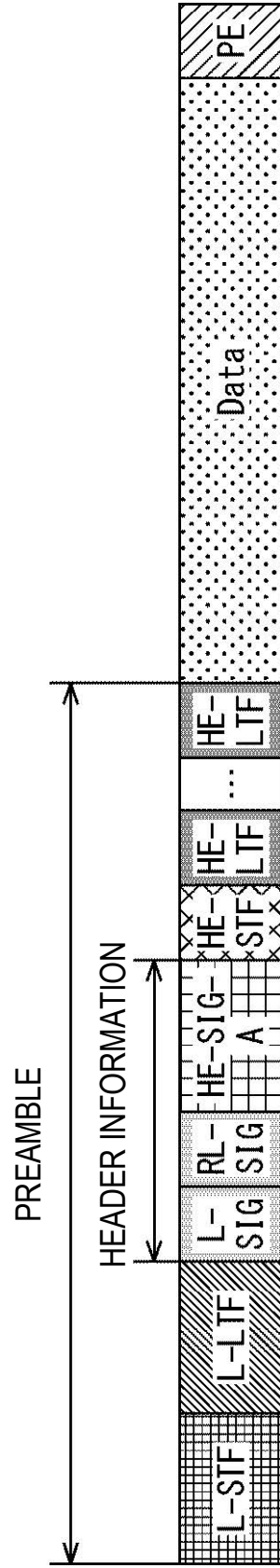


FIG. 6

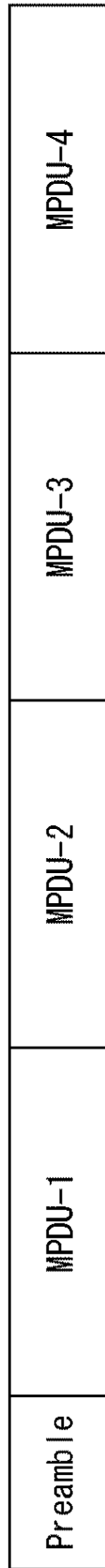
| L-SIG |   |   |   |   |   |   |   |        |   |    |    |    |    |    |    |    |    |    |    |      |    |    |    |
|-------|---|---|---|---|---|---|---|--------|---|----|----|----|----|----|----|----|----|----|----|------|----|----|----|
| 0     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8      | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20   | 21 | 22 | 23 |
| RATE  |   |   |   | R |   |   |   | LENGTH |   |    |    |    |    |    |    |    |    | P  |    | Tail |    |    |    |

**FIG. 7**

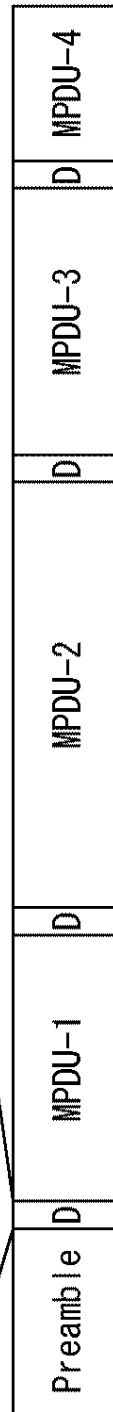
| HE-SIG-A1 HE SU PPDU/HE extended range SU PPDU |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
|------------------------------------------------|---|-------------|---|-------|---|-----|--------|-----|---|----|----------------|-----------|----|----|------|----------|----|----|-------|---------------|----|----|------------------------|-----------|----|--|-----------------|------------|--|--|----------|------|--|--|---------|--|--|--|-----|--|--|--|------|--|--|--|
| 0                                              | 1 | 2           | 3 | 4     | 5 | 6   | 7      | 8   | 9 | 10 | 11             | 12        | 13 | 14 | 15   | 16       | 17 | 18 | 19    | 20            | 21 | 22 | 23                     | 24        | 25 |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
| Format                                         |   | Beam Change |   | UL/DL |   | MCS |        | DCM |   |    |                | BSS Color |    |    |      | Reserved |    |    |       | Spatial Reuse |    |    |                        | Bandwidth |    |  |                 | GI+TF Size |  |  |          | Nsts |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
|                                                |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
|                                                |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
|                                                |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
| HE-SIG-A2 HE SU PPDU/HE extended range SU PPDU |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
| 0                                              | 1 | 2           | 3 | 4     | 5 | 6   | 7      | 8   | 9 | 10 | 11             | 12        | 13 | 14 | 15   | 16       | 17 | 18 | 19    | 20            | 21 | 22 | 23                     | 24        | 25 |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
| TXOP Duration                                  |   |             |   |       |   |     | Coding |     |   |    | LDPC Extra Sym |           |    |    | STBC |          |    |    | Tx BF |               |    |    | Pre-FEC Padding Factor |           |    |  | PE Disambiguity |            |  |  | Reserved |      |  |  | Doppler |  |  |  | CRC |  |  |  | Tail |  |  |  |
|                                                |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
|                                                |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
|                                                |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |
|                                                |   |             |   |       |   |     |        |     |   |    |                |           |    |    |      |          |    |    |       |               |    |    |                        |           |    |  |                 |            |  |  |          |      |  |  |         |  |  |  |     |  |  |  |      |  |  |  |

FIG. 8

Q31 ↗



| Delimiter |             |        |           |
|-----------|-------------|--------|-----------|
| EOF       | MPDU Length | CRC    | Signature |
| 4 bits    | 12 bits     | 8 bits | 8 bits    |



Q32 ↗

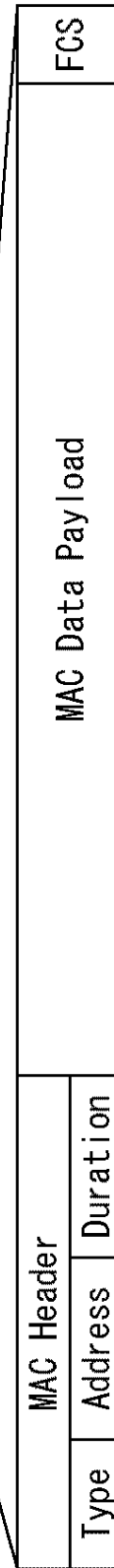


FIG. 9

Q41 ↗

|          |        |        |        |     |
|----------|--------|--------|--------|-----|
| Preamble | MPDU-1 |        |        |     |
| Preamble | MPDU-2 |        |        | ... |
| Preamble | MPDU-3 | MPDU-4 |        |     |
| Preamble | MPDU-5 | MPDU-6 | MPDU-7 | ... |

Q42 ↗

|          |        |        |        |         |  |        |
|----------|--------|--------|--------|---------|--|--------|
| Preamble | MPDU-1 | MPDU-2 |        | MPDU-3  |  | MPDU-4 |
| Preamble |        |        |        |         |  |        |
| Preamble | MPDU-5 |        | MPDU-6 | MPDU-7  |  | ...    |
| Preamble | MPDU-8 |        | MPDU-9 | MPDU-10 |  | ...    |



FIG. 11

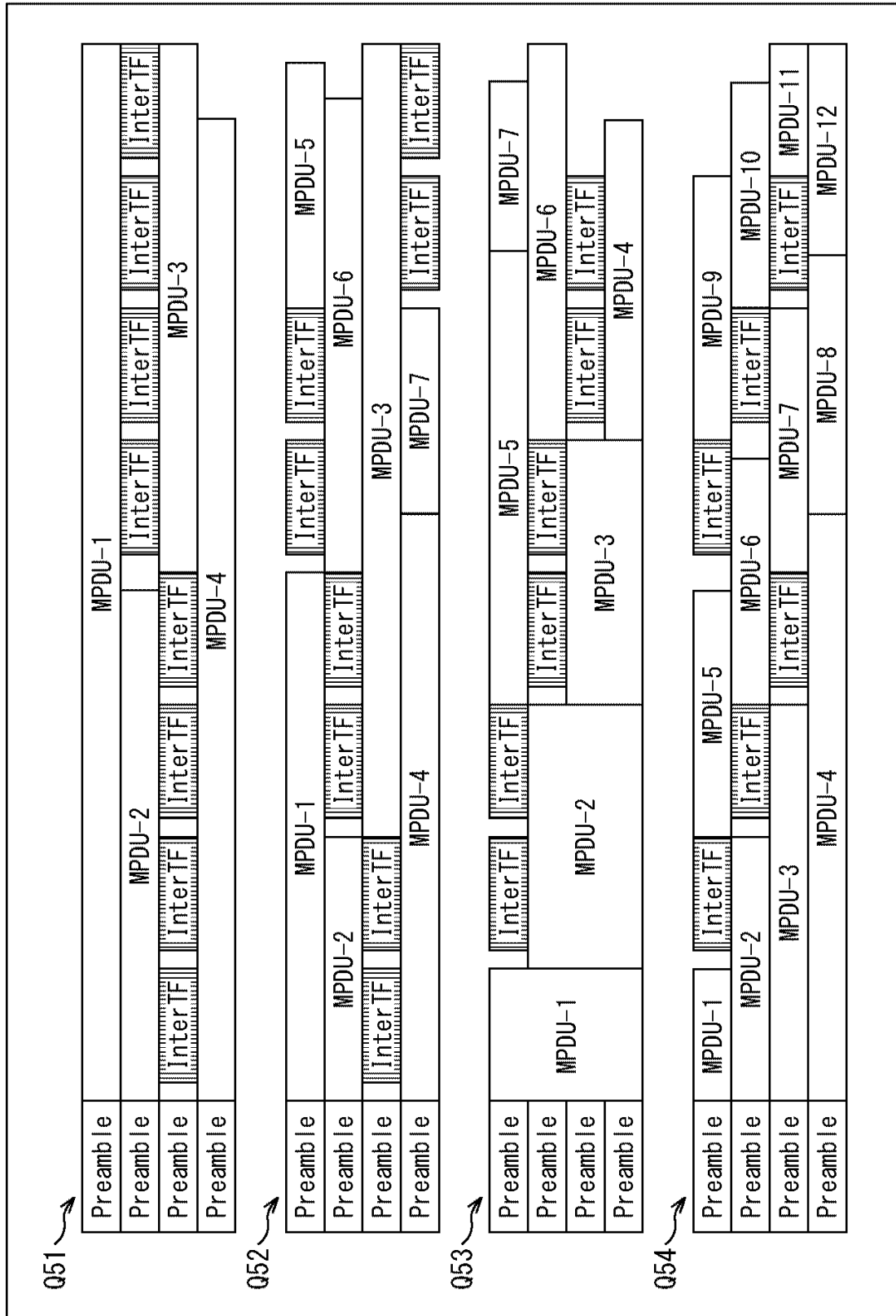


FIG. 12

| L-SIG |   |   |   |   |        |   |   |   |   |    |    |    |    |    |    |    |    |                    |    |    |    |    |    |
|-------|---|---|---|---|--------|---|---|---|---|----|----|----|----|----|----|----|----|--------------------|----|----|----|----|----|
| 0     | 1 | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18                 | 19 | 20 | 21 | 22 | 23 |
| RATE  |   |   |   | R | LENGTH |   |   |   |   |    |    |    |    |    |    |    | P  | Tail<br>(Reserved) |    |    |    |    |    |

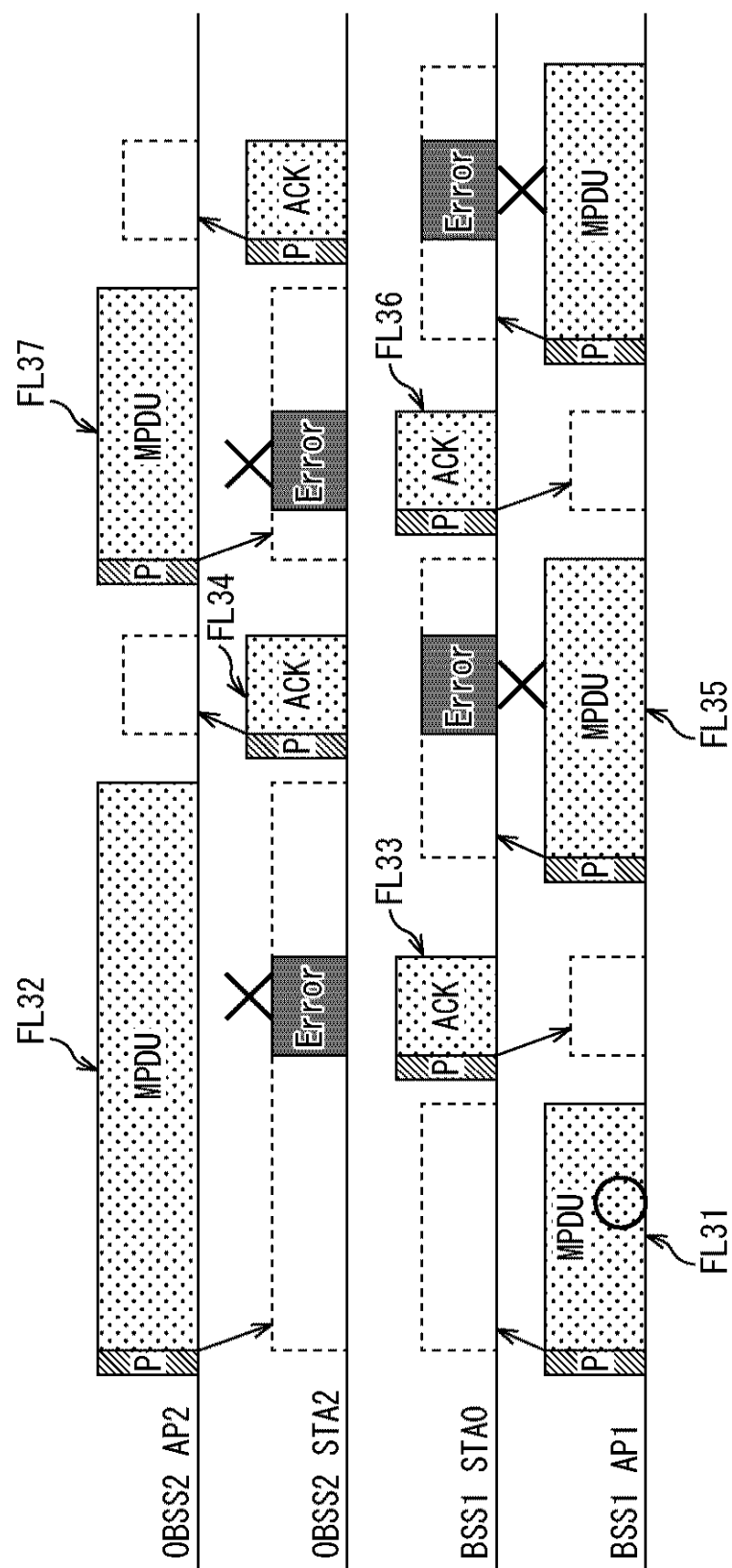
Q61

| Inter-SIG_1                    |   |   |   |   |   |           |   |   |   |    |    |              |    |    |    |                  |    |    |    |                  |    |    |    |
|--------------------------------|---|---|---|---|---|-----------|---|---|---|----|----|--------------|----|----|----|------------------|----|----|----|------------------|----|----|----|
| 0                              | 1 | 2 | 3 | 4 | 5 | 6         | 7 | 8 | 9 | 10 | 11 | 12           | 13 | 14 | 15 | 16               | 17 | 18 | 19 | 20               | 21 | 22 | 23 |
| Using Frequency<br>Channel Map |   |   |   |   |   | BSS Color |   |   |   |    |    | TPC<br>Level |    |    |    | Spatial<br>Reuse |    |    |    | MCS<br>Parameter |    |    |    |

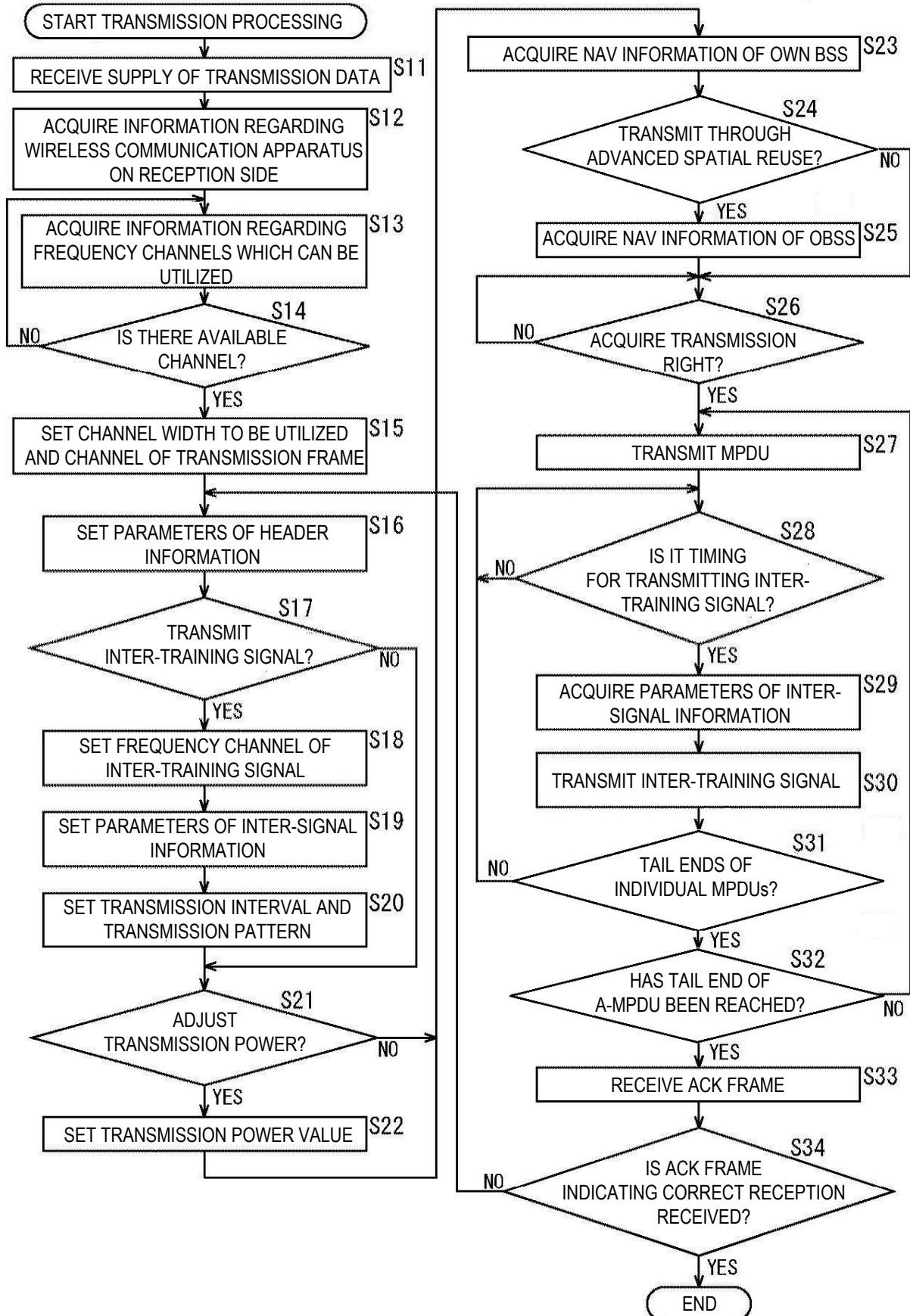
Q62

| Inter-SIG_2  |   |   |   |       |   |   |   |   |   |    |    |    |    |     |    |    |    |      |    |    |    |    |    |
|--------------|---|---|---|-------|---|---|---|---|---|----|----|----|----|-----|----|----|----|------|----|----|----|----|----|
| 0            | 1 | 2 | 3 | 4     | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14  | 15 | 16 | 17 | 18   | 19 | 20 | 21 | 22 | 23 |
| DSC<br>Level |   |   |   | AID12 |   |   |   |   |   |    |    |    |    | CRC |    |    |    | Tail |    |    |    |    |    |

Q63



## FIG. 14



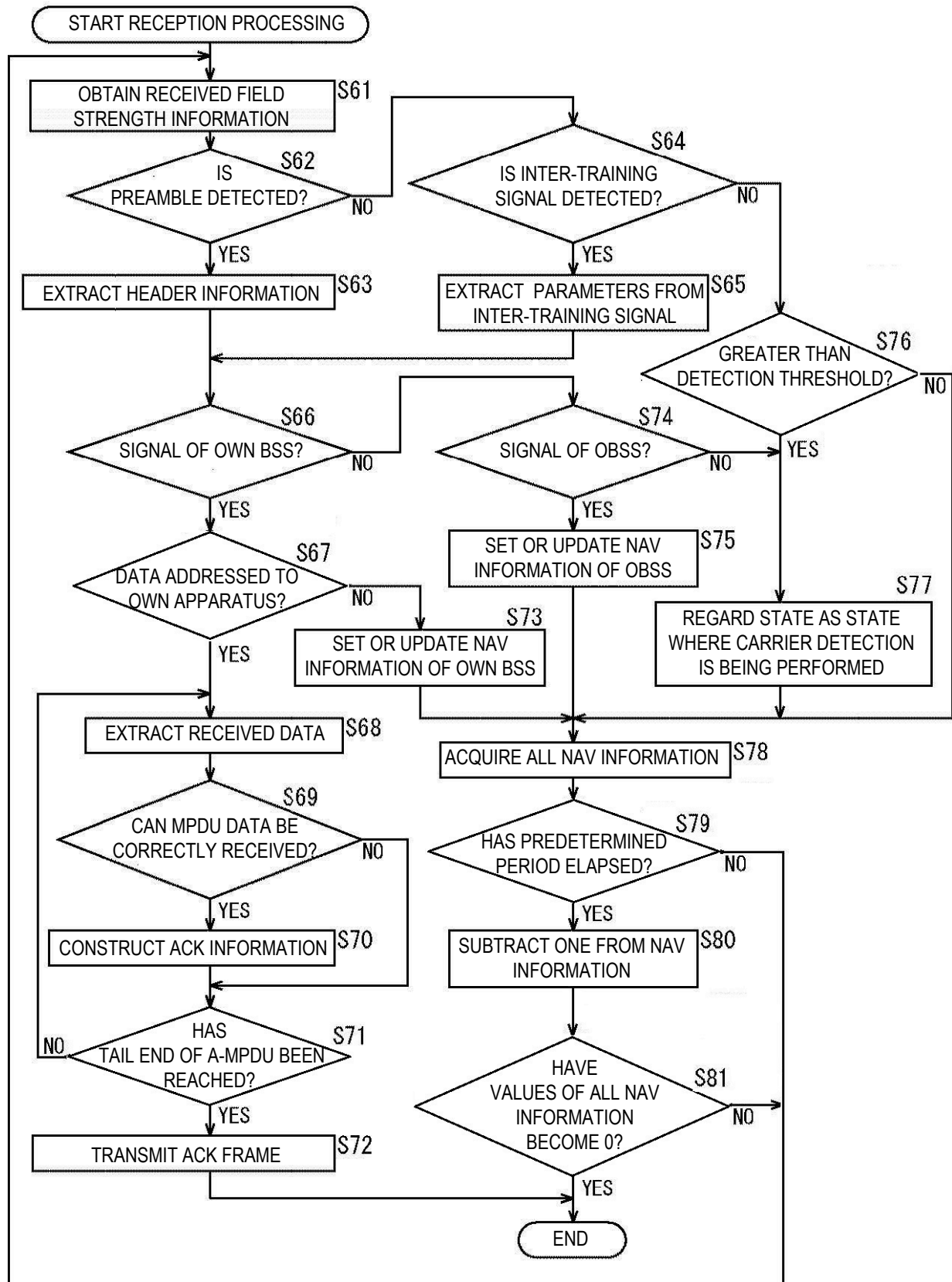


FIG. 16

