

FIG. 1

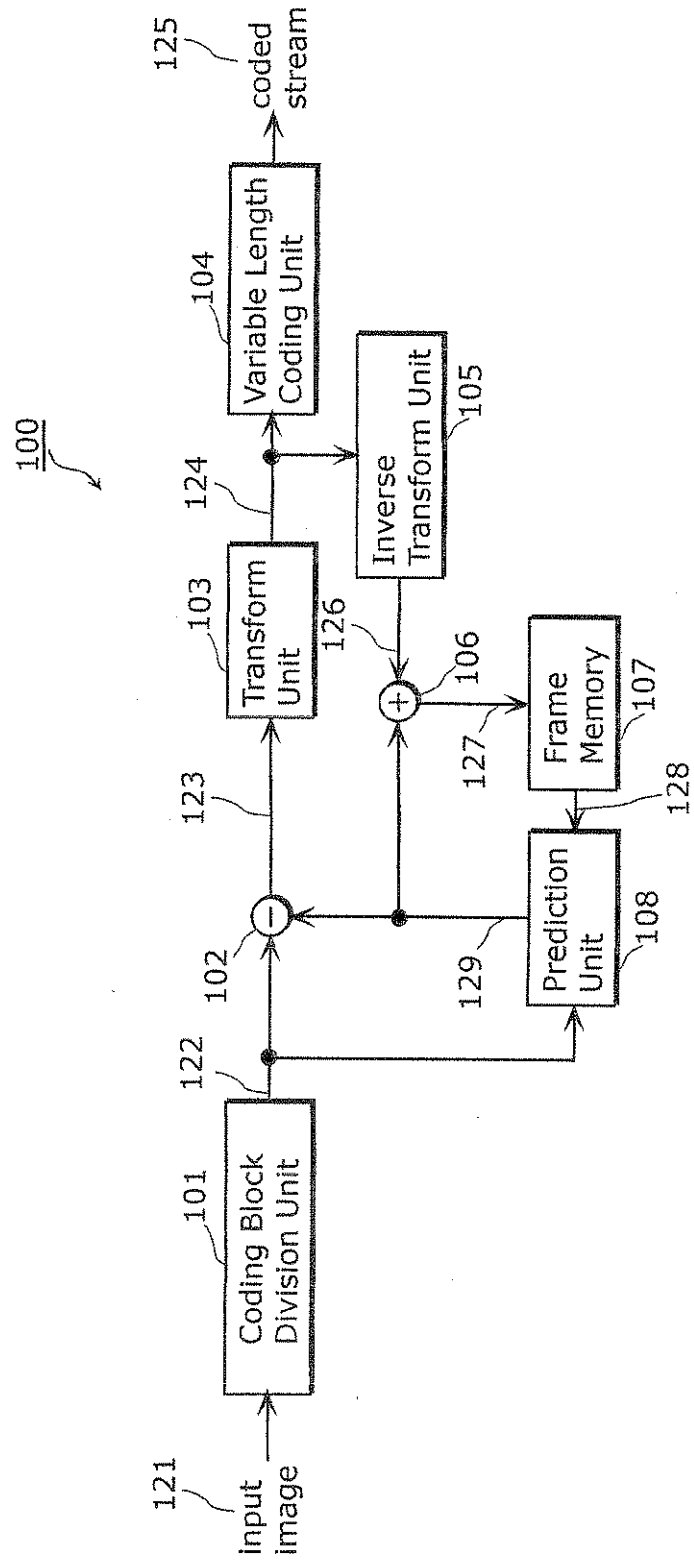


FIG. 2

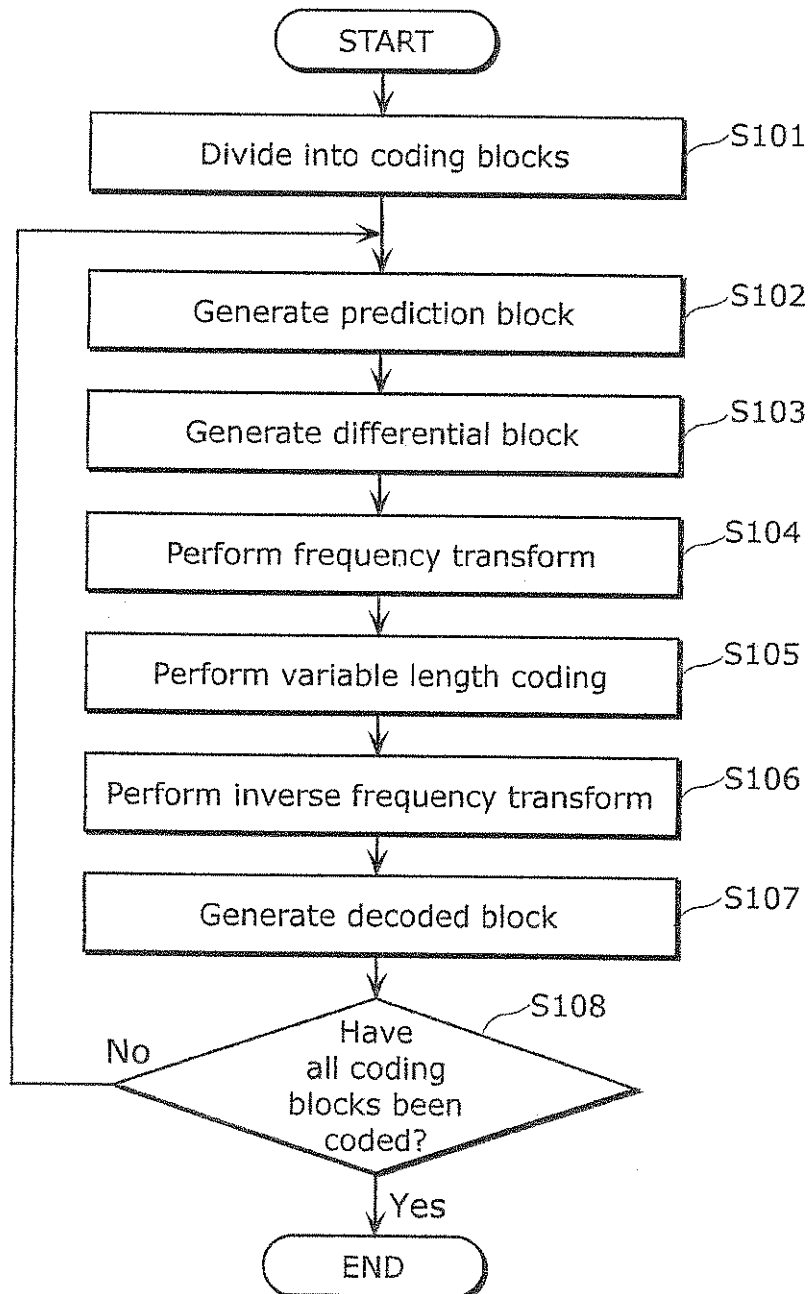


FIG. 3

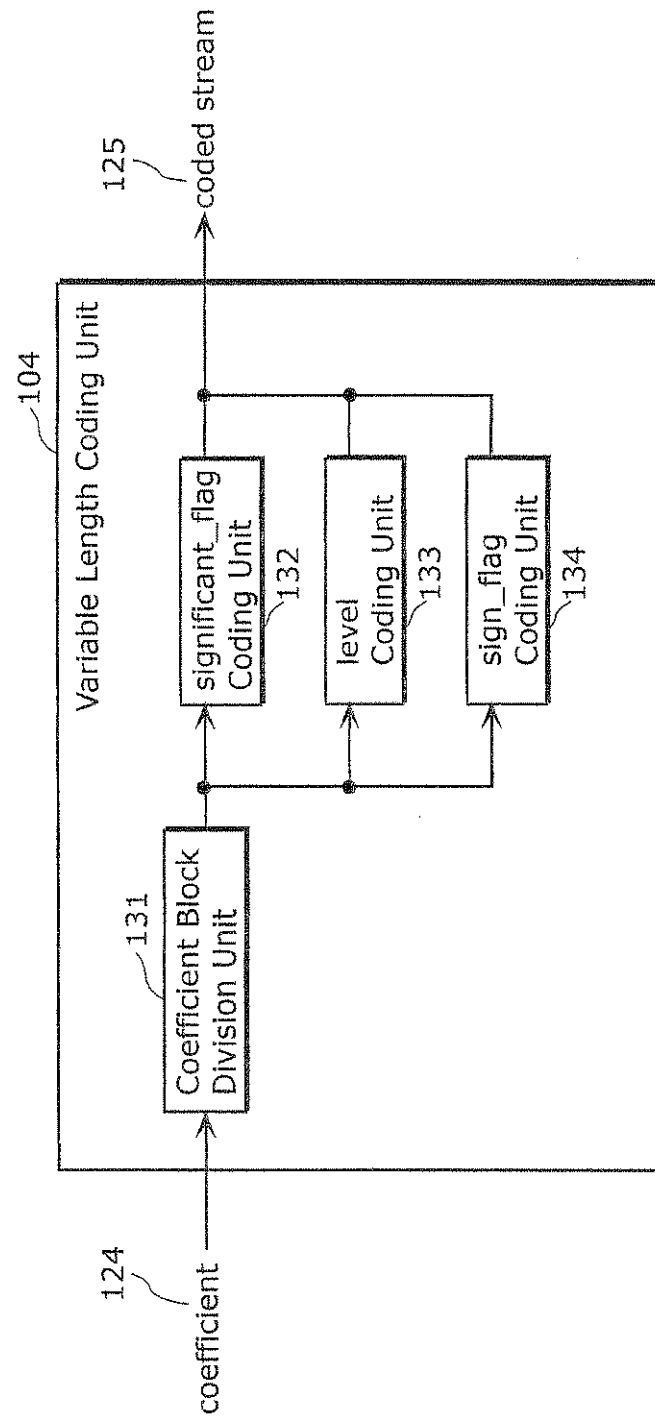


FIG. 4

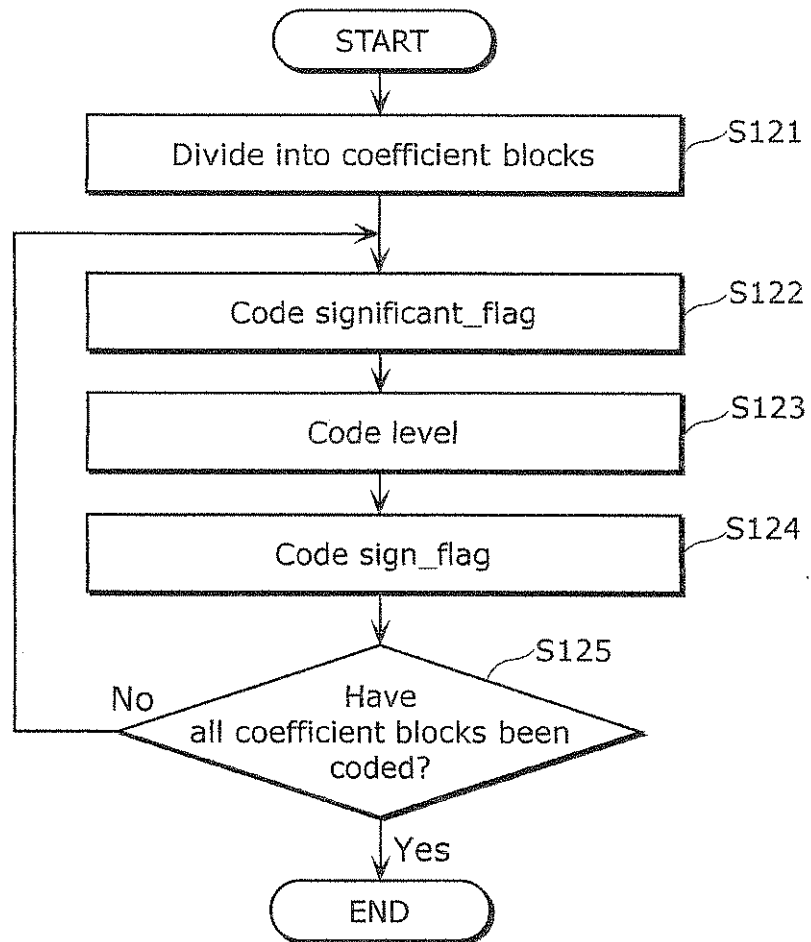


FIG. 5

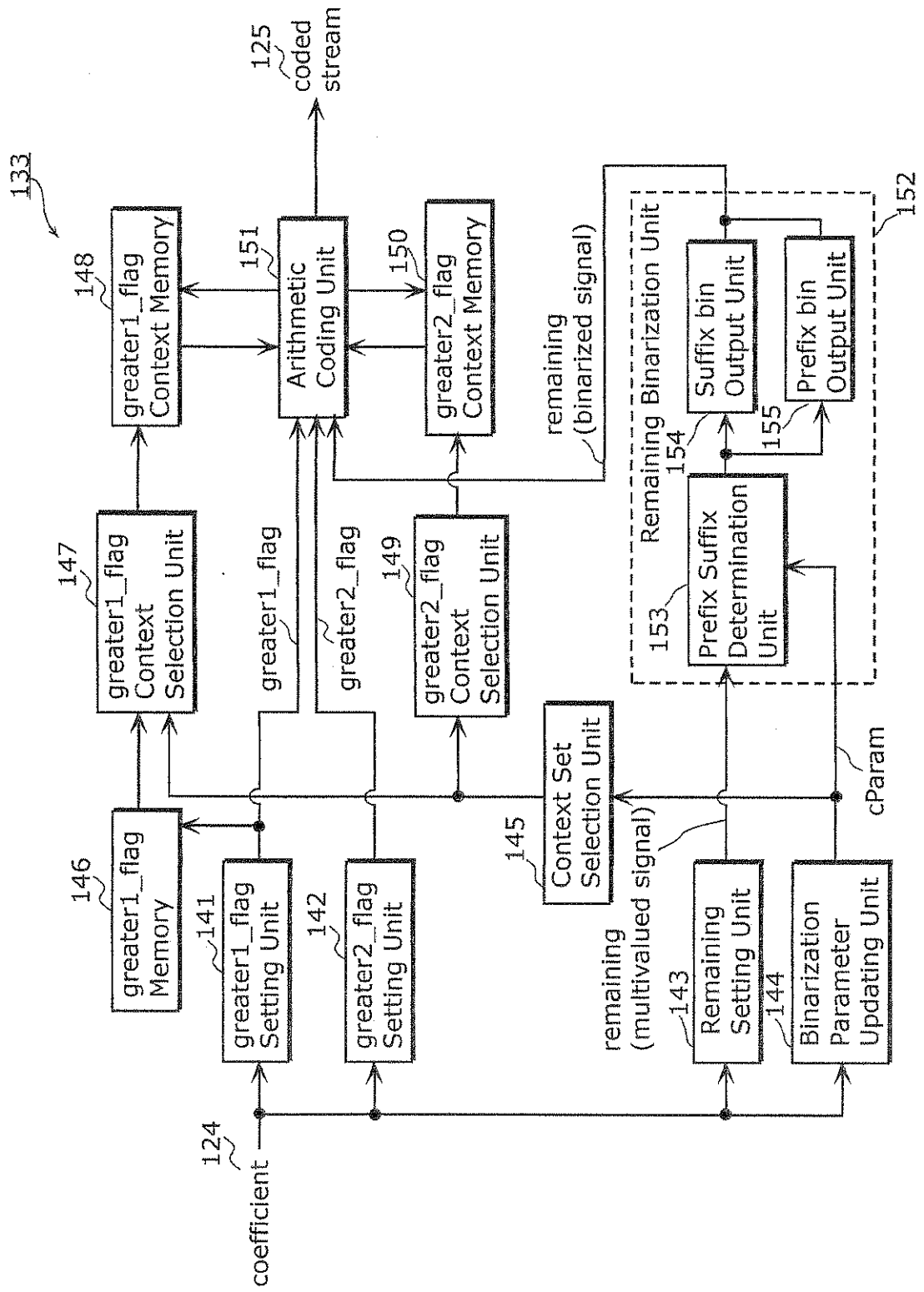


FIG. 6

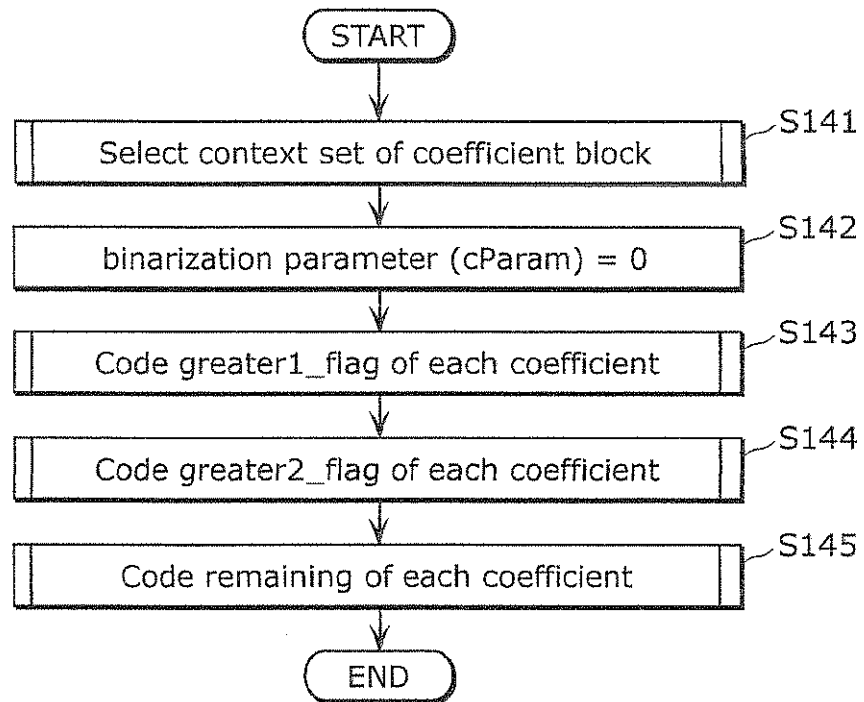


FIG. 7

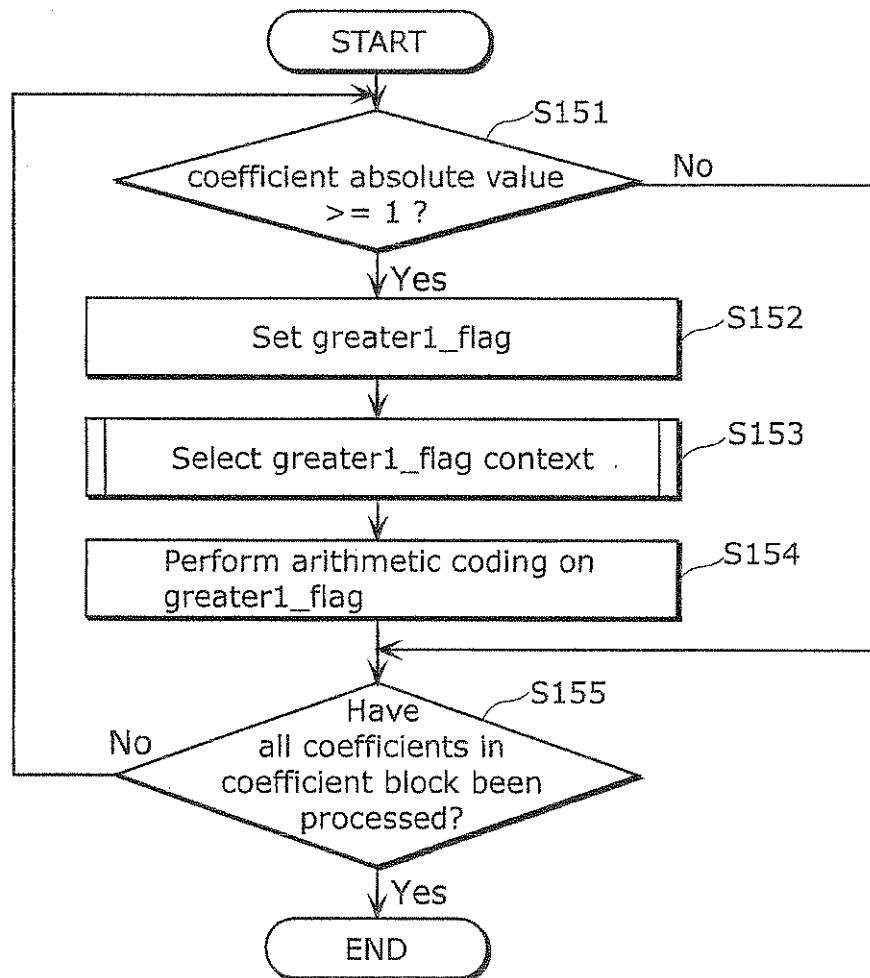


FIG. 8

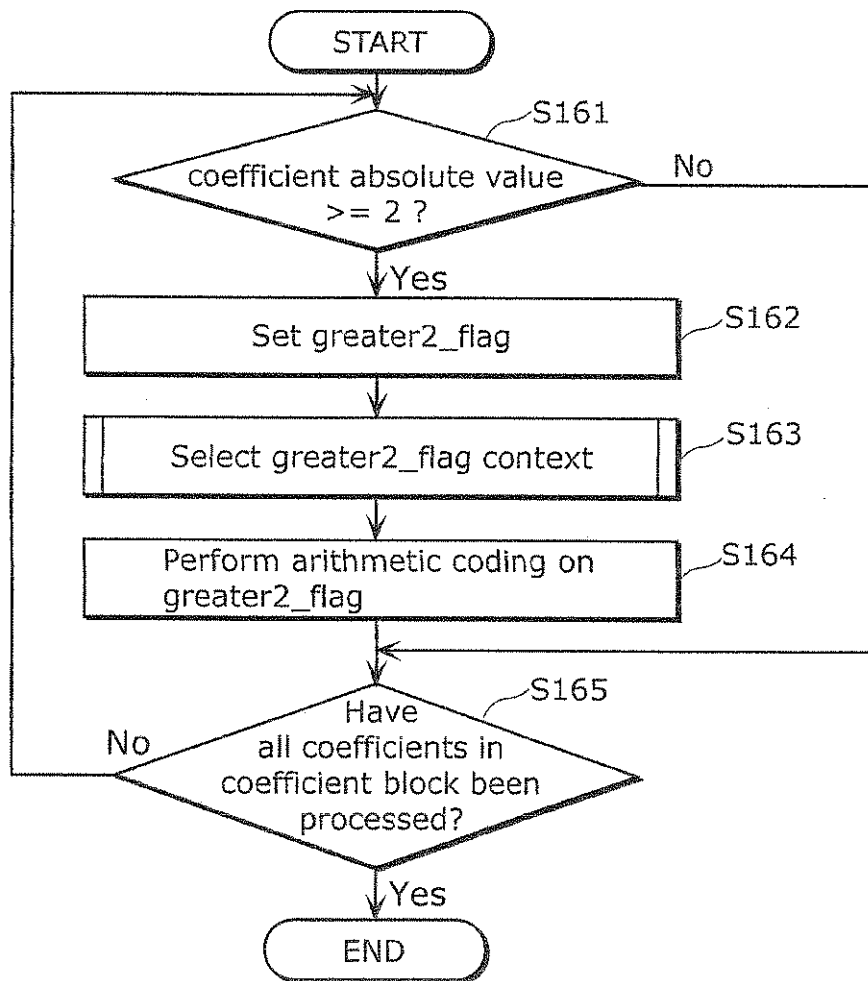


FIG. 9

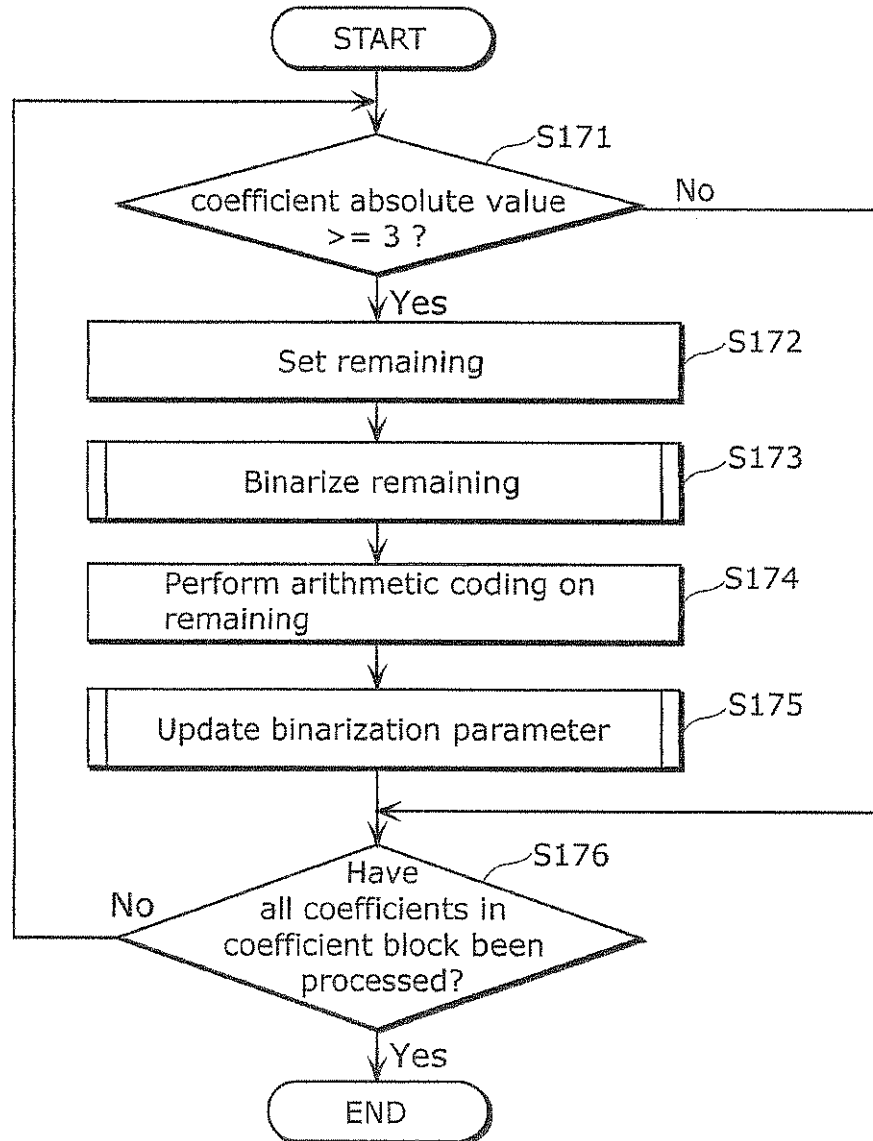


FIG. 10

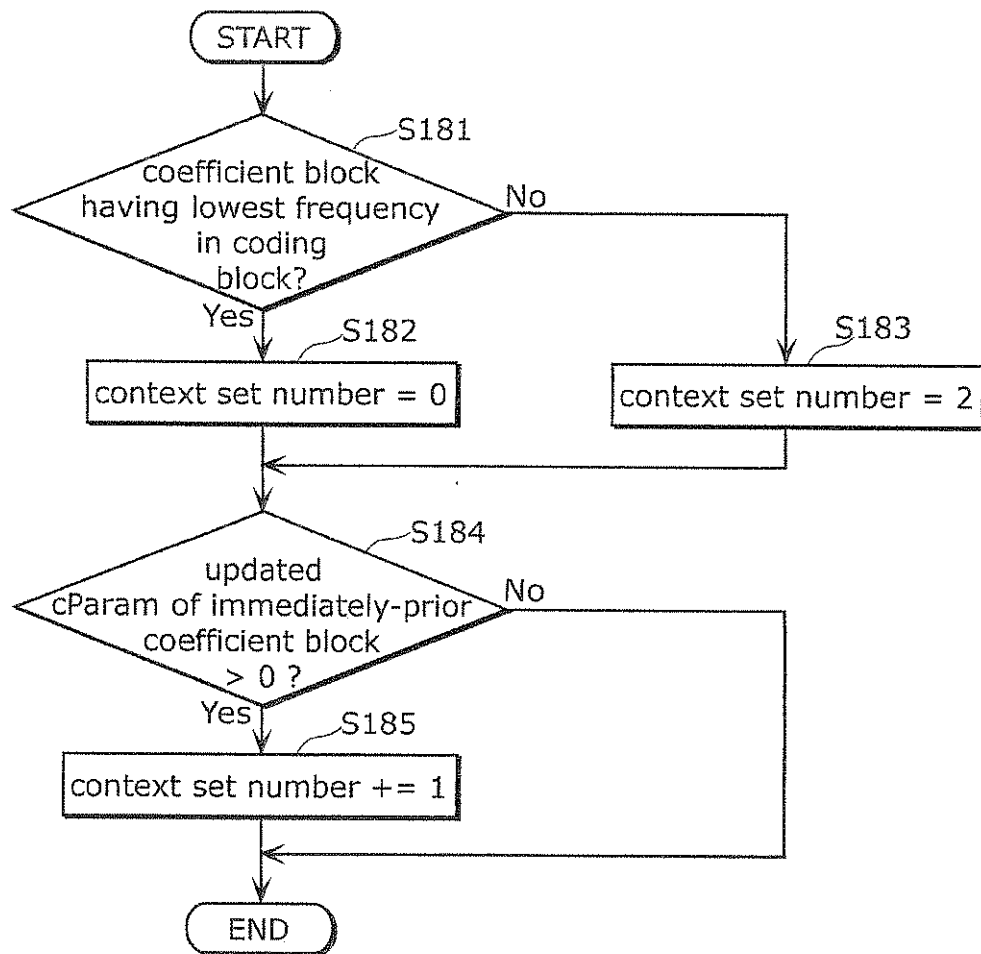


FIG. 11

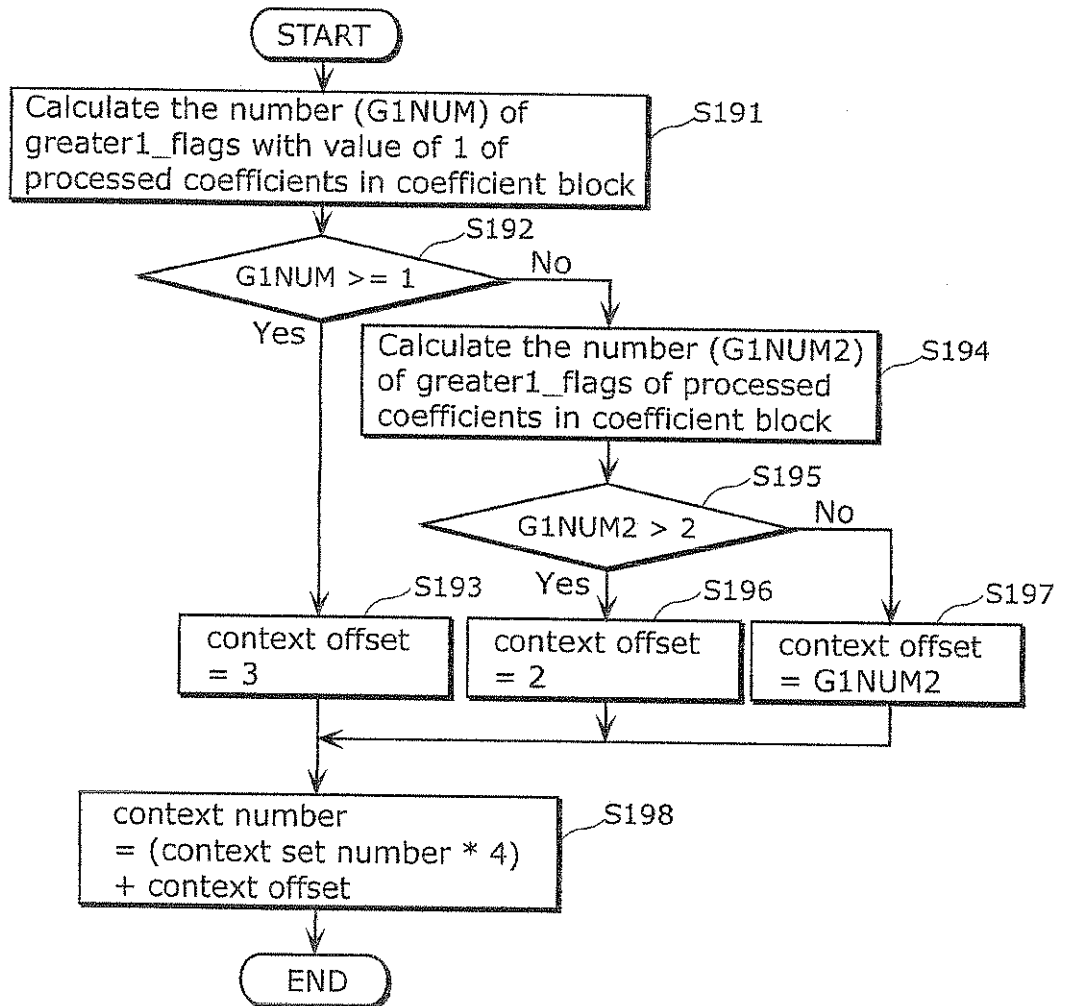


FIG. 12

| Context Set Number | 0 |   |   | 1 |   |   | 2 |   |   | 3 |    |    |    |    |    |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Context Offset     | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 | 0 | 1 | 2  | 3  |    |    |    |    |
| Context Number     | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

FIG. 13

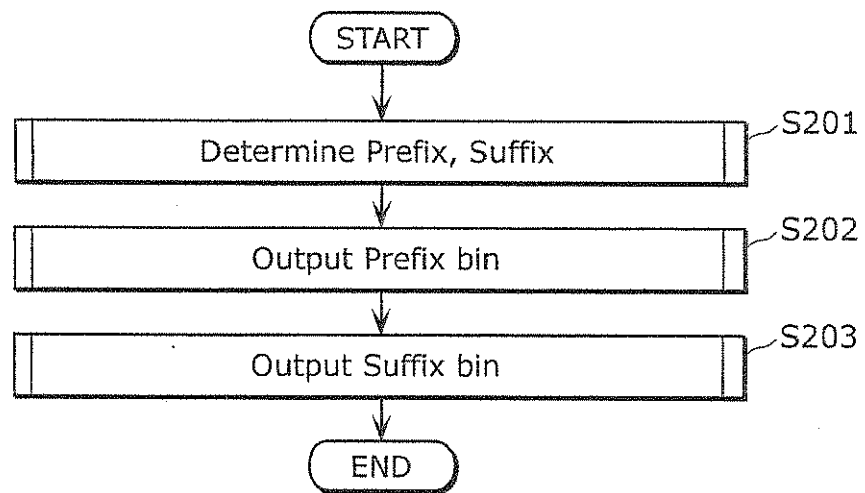


FIG. 14

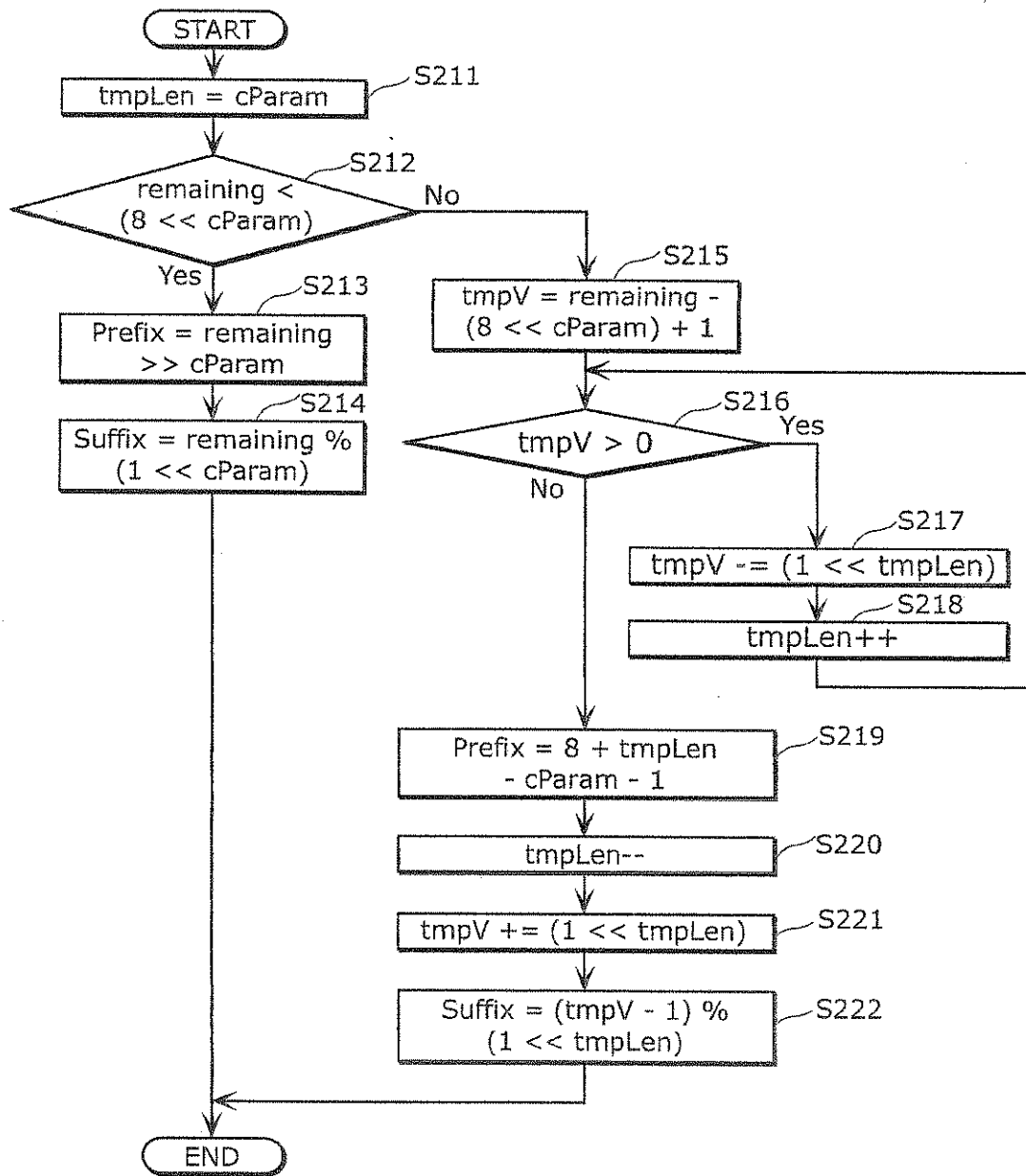


FIG. 15A

| remaining | cParam 0                                          |        |            | cParam 1                                   |        |            |
|-----------|---------------------------------------------------|--------|------------|--------------------------------------------|--------|------------|
|           | Prefix                                            | Suffix | bin length | Prefix                                     | Suffix | bin length |
| 0         | 0                                                 |        | 1          | 0                                          | 0      | 2          |
| 1         | 10                                                |        | 2          | 0                                          | 1      | 2          |
| 2         | 110                                               |        | 3          | 10                                         | 0      | 3          |
| 3         | 1110                                              |        | 4          | 10                                         | 1      | 3          |
| 4         | 11110                                             |        | 5          | 110                                        | 0      | 4          |
| 5         | 111110                                            |        | 6          | 110                                        | 1      | 4          |
| 6         | 1111110                                           |        | 7          | 1110                                       | 0      | 5          |
| 7         | 11111110                                          |        | 8          | 1110                                       | 1      | 5          |
| 8         | 111111110                                         |        | 9          | 11110                                      | 0      | 6          |
| 9         | 1111111110                                        | 0      | 11         | 11110                                      | 1      | 6          |
| 10        | 11111111110                                       | 1      | 11         | 111110                                     | 0      | 7          |
| 11        | 111111111110                                      | 0      | 13         | 111110                                     | 1      | 7          |
| 12        | 1111111111110                                     | 0      | 13         | 1111110                                    | 0      | 8          |
| 13        | 11111111111110                                    | 10     | 13         | 1111110                                    | 1      | 8          |
| 14        | 111111111111110                                   | 11     | 13         | 11111110                                   | 0      | 9          |
| 15        | 1111111111111110                                  | 000    | 15         | 111111110                                  | 1      | 9          |
| 16        | 11111111111111110                                 | 001    | 15         | 1111111110                                 | 0      | 10         |
| 17        | 111111111111111110                                | 010    | 15         | 11111111110                                | 1      | 10         |
| 18        | 1111111111111111110                               | 011    | 15         | 111111111110                               | 0      | 12         |
| 19        | 11111111111111111110                              | 100    | 15         | 1111111111110                              | 0      | 12         |
| 20        | 111111111111111111110                             | 101    | 15         | 11111111111110                             | 10     | 12         |
| 21        | 1111111111111111111110                            | 110    | 15         | 111111111111110                            | 11     | 12         |
| 22        | 11111111111111111111110                           | 111    | 15         | 1111111111111110                           | 000    | 14         |
| 23        | 111111111111111111111110                          | 0000   | 17         | 11111111111111110                          | 001    | 14         |
| 24        | 1111111111111111111111110                         | 0001   | 17         | 111111111111111110                         | 010    | 14         |
| 25        | 11111111111111111111111110                        | 0010   | 17         | 1111111111111111110                        | 011    | 14         |
| 26        | 111111111111111111111111110                       | 0011   | 17         | 11111111111111111110                       | 100    | 14         |
| 27        | 1111111111111111111111111110                      | 0100   | 17         | 111111111111111111110                      | 101    | 14         |
| 28        | 11111111111111111111111111110                     | 0101   | 17         | 1111111111111111111110                     | 110    | 14         |
| 29        | 111111111111111111111111111110                    | 0110   | 17         | 11111111111111111111110                    | 111    | 14         |
| 30        | 1111111111111111111111111111110                   | 0111   | 17         | 111111111111111111111110                   | 0000   | 16         |
| 31        | 11111111111111111111111111111110                  | 1000   | 17         | 1111111111111111111111110                  | 0001   | 16         |
| 32        | 111111111111111111111111111111110                 | 1001   | 17         | 11111111111111111111111110                 | 0010   | 16         |
| 33        | 1111111111111111111111111111111110                | 1010   | 17         | 111111111111111111111111110                | 0011   | 16         |
| 34        | 11111111111111111111111111111111110               | 1011   | 17         | 1111111111111111111111111110               | 0100   | 16         |
| 35        | 111111111111111111111111111111111110              | 1100   | 17         | 11111111111111111111111111110              | 0101   | 16         |
| 36        | 1111111111111111111111111111111111110             | 1101   | 17         | 111111111111111111111111111110             | 0110   | 16         |
| 37        | 11111111111111111111111111111111111110            | 1110   | 17         | 1111111111111111111111111111110            | 0111   | 16         |
| 38        | 111111111111111111111111111111111111110           | 1111   | 17         | 11111111111111111111111111111110           | 1000   | 16         |
| 39        | 1111111111111111111111111111111111111110          | 00000  | 19         | 111111111111111111111111111111110          | 1001   | 16         |
| 40        | 11111111111111111111111111111111111111110         | 00001  | 19         | 1111111111111111111111111111111110         | 1010   | 16         |
| 41        | 111111111111111111111111111111111111111110        | 00010  | 19         | 11111111111111111111111111111111110        | 1011   | 16         |
| 42        | 1111111111111111111111111111111111111111110       | 00011  | 19         | 111111111111111111111111111111111110       | 1100   | 16         |
| 43        | 11111111111111111111111111111111111111111110      | 00100  | 19         | 1111111111111111111111111111111111110      | 1101   | 16         |
| 44        | 111111111111111111111111111111111111111111110     | 00101  | 19         | 11111111111111111111111111111111111110     | 1110   | 16         |
| 45        | 1111111111111111111111111111111111111111111110    | 00110  | 19         | 111111111111111111111111111111111111110    | 1111   | 16         |
| 46        | 11111111111111111111111111111111111111111111110   | 00111  | 19         | 1111111111111111111111111111111111111110   | 00000  | 18         |
| 47        | 111111111111111111111111111111111111111111111110  | 01000  | 19         | 11111111111111111111111111111111111111110  | 00001  | 18         |
| 48        | 1111111111111111111111111111111111111111111111110 | 01001  | 19         | 111111111111111111111111111111111111111110 | 00010  | 18         |

⋮

FIG. 15B

| remaining | cParam 2    |        |            | cParam 3 |        |            |
|-----------|-------------|--------|------------|----------|--------|------------|
|           | Prefix      | Suffix | bin length | Prefix   | Suffix | bin length |
| 0         | 0           | 00     | 3          | 0        | 000    | 4          |
| 1         | 0           | 01     | 3          | 0        | 001    | 4          |
| 2         | 0           | 10     | 3          | 0        | 010    | 4          |
| 3         | 0           | 11     | 3          | 0        | 011    | 4          |
| 4         | 10          | 00     | 4          | 0        | 100    | 4          |
| 5         | 10          | 01     | 4          | 0        | 101    | 4          |
| 6         | 10          | 10     | 4          | 0        | 110    | 4          |
| 7         | 10          | 11     | 4          | 0        | 111    | 4          |
| 8         | 110         | 00     | 5          | 10       | 000    | 5          |
| 9         | 110         | 01     | 5          | 10       | 001    | 5          |
| 10        | 110         | 10     | 5          | 10       | 010    | 5          |
| 11        | 110         | 11     | 5          | 10       | 011    | 5          |
| 12        | 1110        | 00     | 6          | 10       | 100    | 5          |
| 13        | 1110        | 01     | 6          | 10       | 101    | 5          |
| 14        | 1110        | 10     | 6          | 10       | 110    | 5          |
| 15        | 1110        | 11     | 6          | 10       | 111    | 5          |
| 16        | 11110       | 00     | 7          | 110      | 000    | 6          |
| 17        | 11110       | 01     | 7          | 110      | 001    | 6          |
| 18        | 11110       | 10     | 7          | 110      | 010    | 6          |
| 19        | 11110       | 11     | 7          | 110      | 011    | 6          |
| 20        | 111110      | 00     | 8          | 110      | 100    | 6          |
| 21        | 111110      | 01     | 8          | 110      | 101    | 6          |
| 22        | 111110      | 10     | 8          | 110      | 110    | 6          |
| 23        | 111110      | 11     | 8          | 110      | 111    | 6          |
| 24        | 1111110     | 00     | 9          | 1110     | 000    | 7          |
| 25        | 1111110     | 01     | 9          | 1110     | 001    | 7          |
| 26        | 1111110     | 10     | 9          | 1110     | 010    | 7          |
| 27        | 1111110     | 11     | 9          | 1110     | 011    | 7          |
| 28        | 11111110    | 00     | 10         | 1110     | 100    | 7          |
| 29        | 11111110    | 01     | 10         | 1110     | 101    | 7          |
| 30        | 11111110    | 10     | 10         | 1110     | 110    | 7          |
| 31        | 11111110    | 11     | 10         | 1110     | 111    | 7          |
| 32        | 111111110   | 00     | 11         | 11110    | 000    | 8          |
| 33        | 111111110   | 01     | 11         | 11110    | 001    | 8          |
| 34        | 111111110   | 10     | 11         | 11110    | 010    | 8          |
| 35        | 111111110   | 11     | 11         | 11110    | 011    | 8          |
| 36        | 1111111110  | 000    | 13         | 11110    | 100    | 8          |
| 37        | 1111111110  | 001    | 13         | 11110    | 101    | 8          |
| 38        | 1111111110  | 010    | 13         | 11110    | 110    | 8          |
| 39        | 1111111110  | 011    | 13         | 11110    | 111    | 8          |
| 40        | 1111111110  | 100    | 13         | 111110   | 000    | 9          |
| 41        | 1111111110  | 101    | 13         | 111110   | 001    | 9          |
| 42        | 1111111110  | 110    | 13         | 111110   | 010    | 9          |
| 43        | 1111111110  | 111    | 13         | 111110   | 011    | 9          |
| 44        | 11111111110 | 0000   | 15         | 111110   | 100    | 9          |
| 45        | 11111111110 | 0001   | 15         | 111110   | 101    | 9          |
| 46        | 11111111110 | 0010   | 15         | 111110   | 110    | 9          |
| 47        | 11111111110 | 0011   | 15         | 111110   | 111    | 9          |
| 48        | 11111111110 | 0100   | 15         | 1111110  | 100    | 10         |

⋮

FIG. 15C

| remaining | cParam 4 |        |            |
|-----------|----------|--------|------------|
|           | Prefix   | Suffix | bin length |
| 0         | 0        | 000    | 5          |
| 1         | 0        | 0001   | 5          |
| 2         | 0        | 0010   | 5          |
| 3         | 0        | 0011   | 5          |
| 4         | 0        | 0100   | 5          |
| 5         | 0        | 0101   | 5          |
| 6         | 0        | 0110   | 5          |
| 7         | 0        | 0111   | 5          |
| 8         | 0        | 1000   | 5          |
| 9         | 0        | 1001   | 5          |
| 10        | 0        | 1010   | 5          |
| 11        | 0        | 1011   | 5          |
| 12        | 0        | 1100   | 5          |
| 13        | 0        | 1101   | 5          |
| 14        | 0        | 1110   | 5          |
| 15        | 0        | 1111   | 5          |
| 16        | 10       | 0000   | 6          |
| 17        | 10       | 0001   | 6          |
| 18        | 10       | 0010   | 6          |
| 19        | 10       | 0011   | 6          |
| 20        | 10       | 0100   | 6          |
| 21        | 10       | 0101   | 6          |
| 22        | 10       | 0110   | 6          |
| 23        | 10       | 0111   | 6          |
| 24        | 10       | 1000   | 6          |
| 25        | 10       | 1001   | 6          |
| 26        | 10       | 1010   | 6          |
| 27        | 10       | 1011   | 6          |
| 28        | 10       | 1100   | 6          |
| 29        | 10       | 1101   | 6          |
| 30        | 10       | 1110   | 6          |
| 31        | 10       | 1111   | 6          |
| 32        | 110      | 0000   | 7          |
| 33        | 110      | 0001   | 7          |
| 34        | 110      | 0010   | 7          |
| 35        | 110      | 0011   | 7          |
| 36        | 110      | 0100   | 7          |
| 37        | 110      | 0101   | 7          |
| 38        | 110      | 0110   | 7          |
| 39        | 110      | 0111   | 7          |
| 40        | 110      | 1000   | 7          |
| 41        | 110      | 1001   | 7          |
| 42        | 110      | 1010   | 7          |
| 43        | 110      | 1011   | 7          |
| 44        | 110      | 1100   | 7          |
| 45        | 110      | 1101   | 7          |
| 46        | 110      | 1110   | 7          |
| 47        | 110      | 1111   | 7          |
| 48        | 1110     | 0000   | 8          |

⋮

FIG. 16

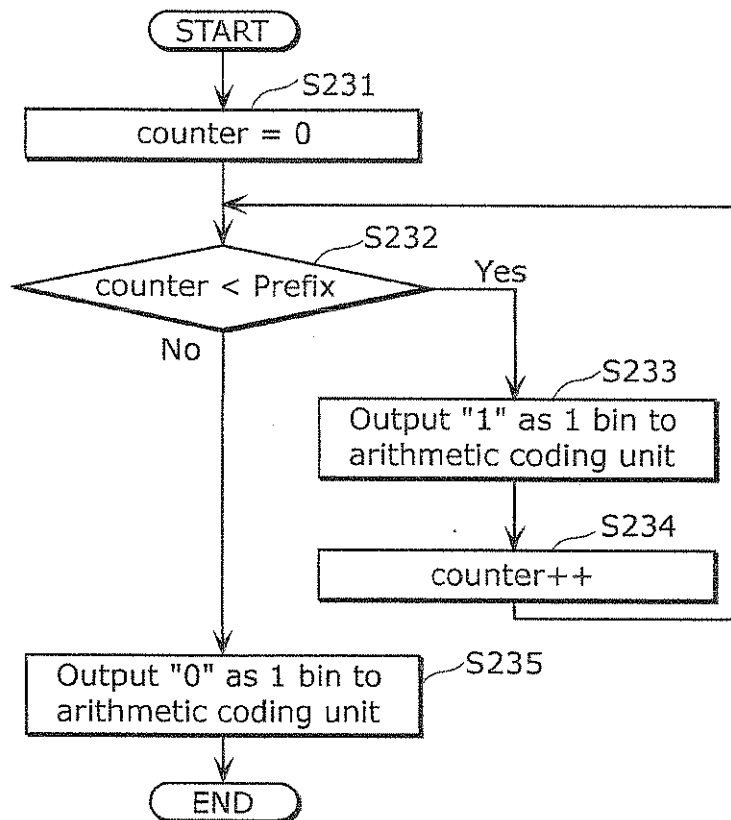


FIG. 17

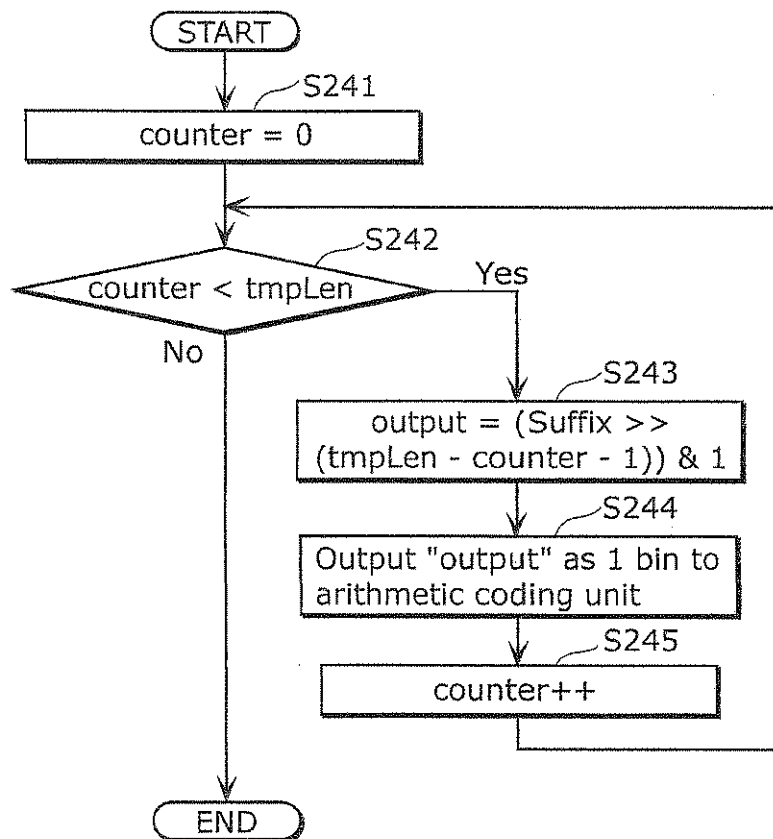


FIG. 18

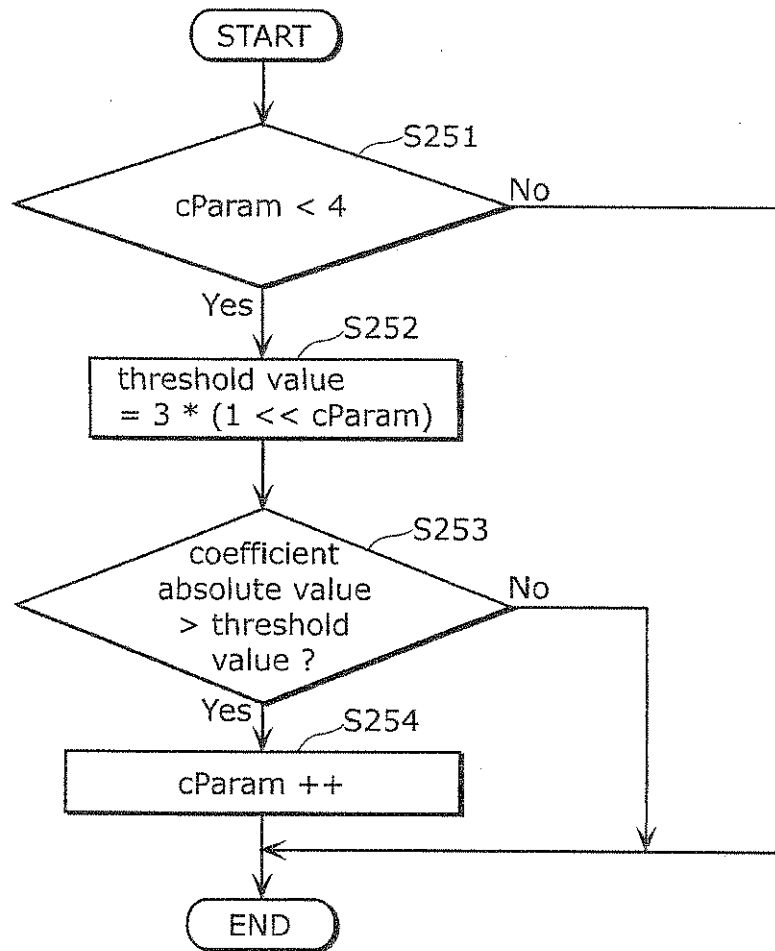


FIG. 19

|              | Main |      |       | HE10 |      |       |
|--------------|------|------|-------|------|------|-------|
|              | AI   | RA   | LB    | AI   | RA   | LB    |
| Embodiment 1 | 0.03 | 0.02 | -0.01 | 0.03 | 0.03 | -0.01 |

FIG. 20

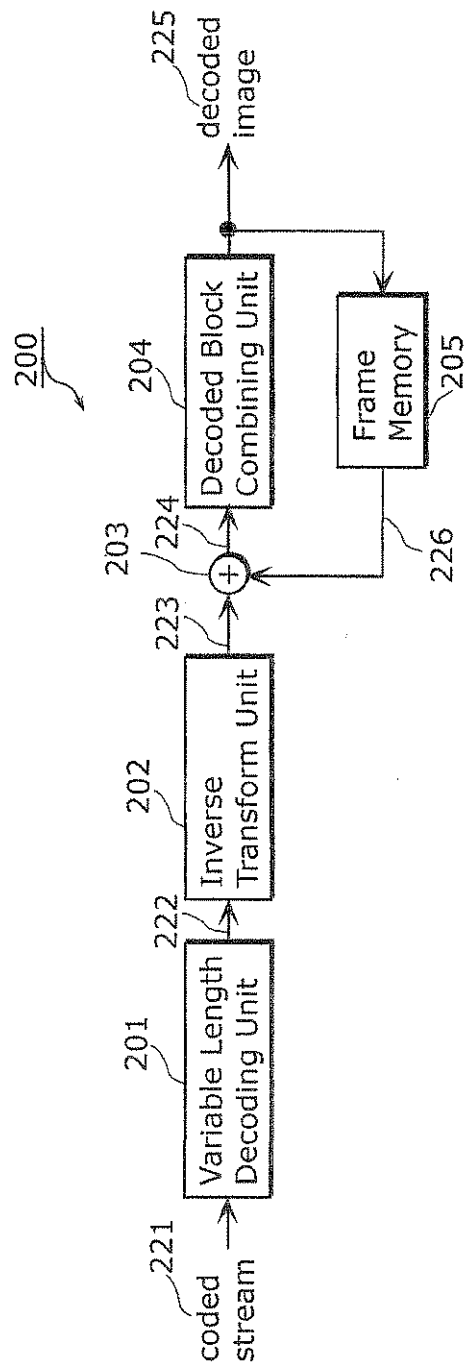


FIG. 21

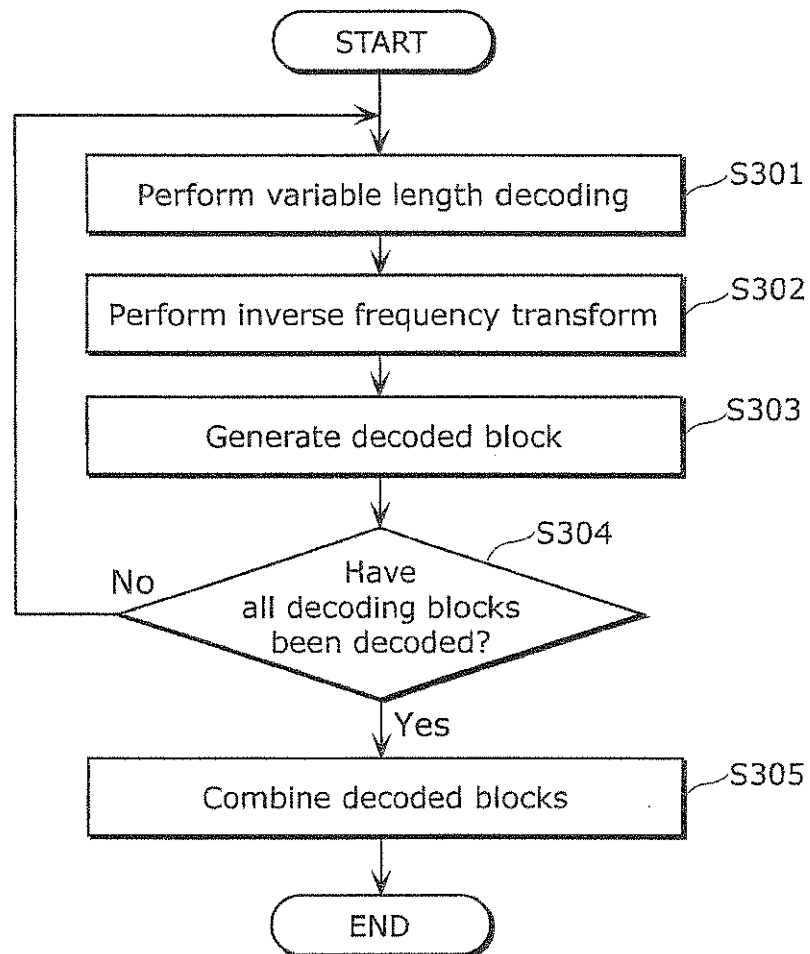


FIG. 22

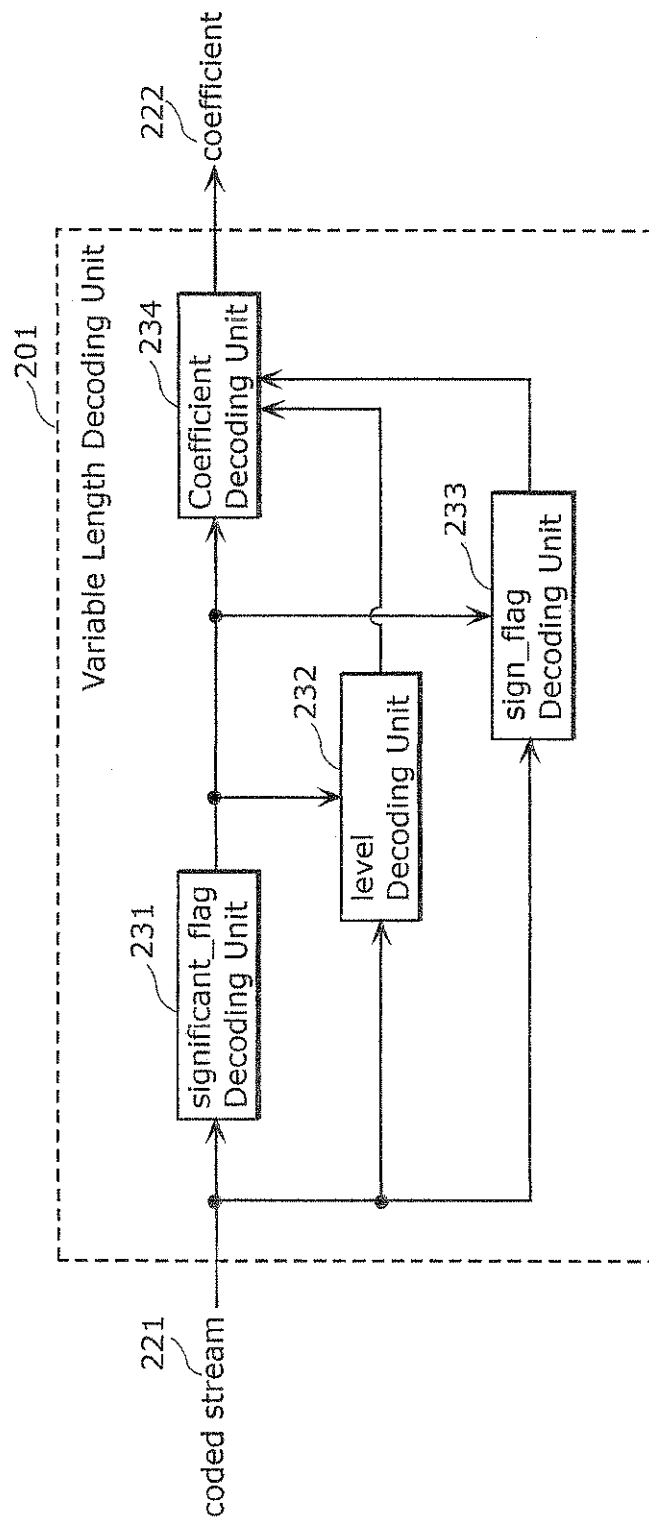


FIG. 23

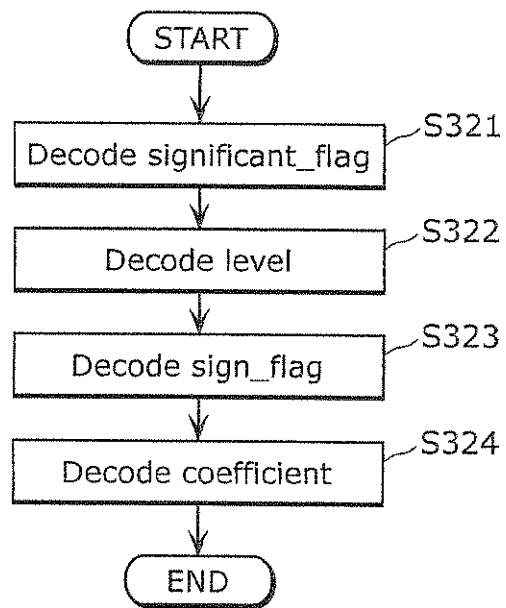


FIG. 24

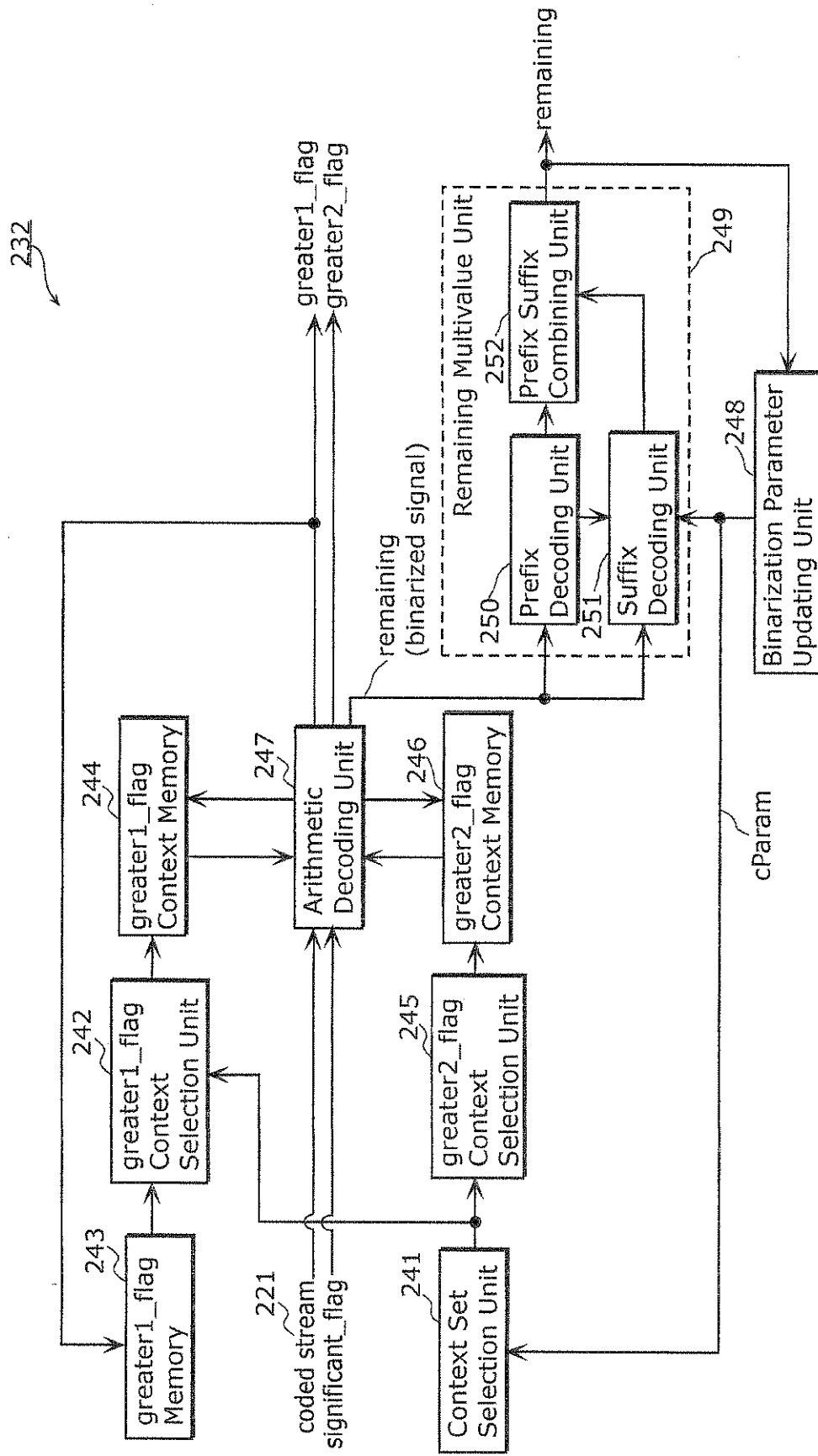


FIG. 25

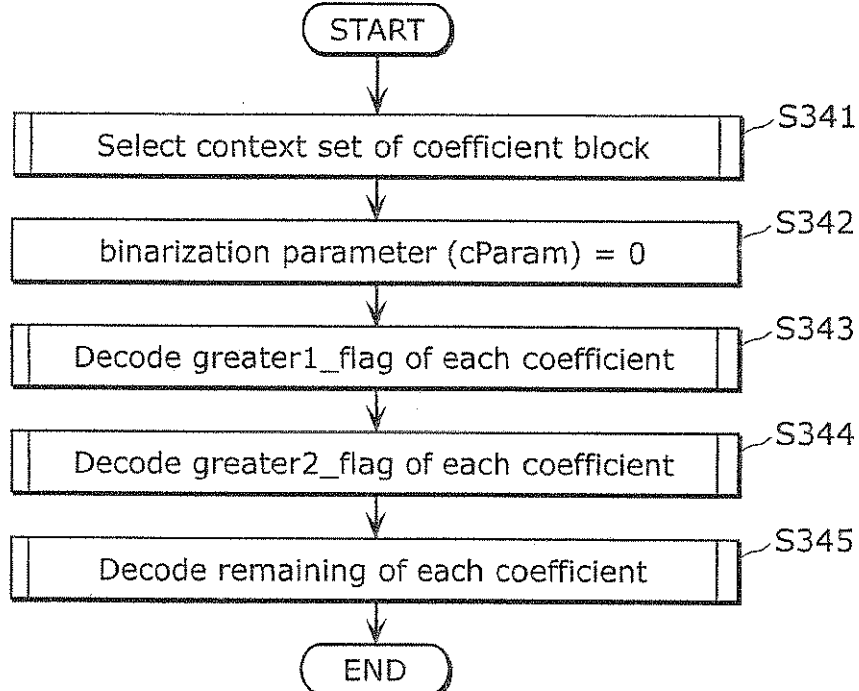


FIG. 26

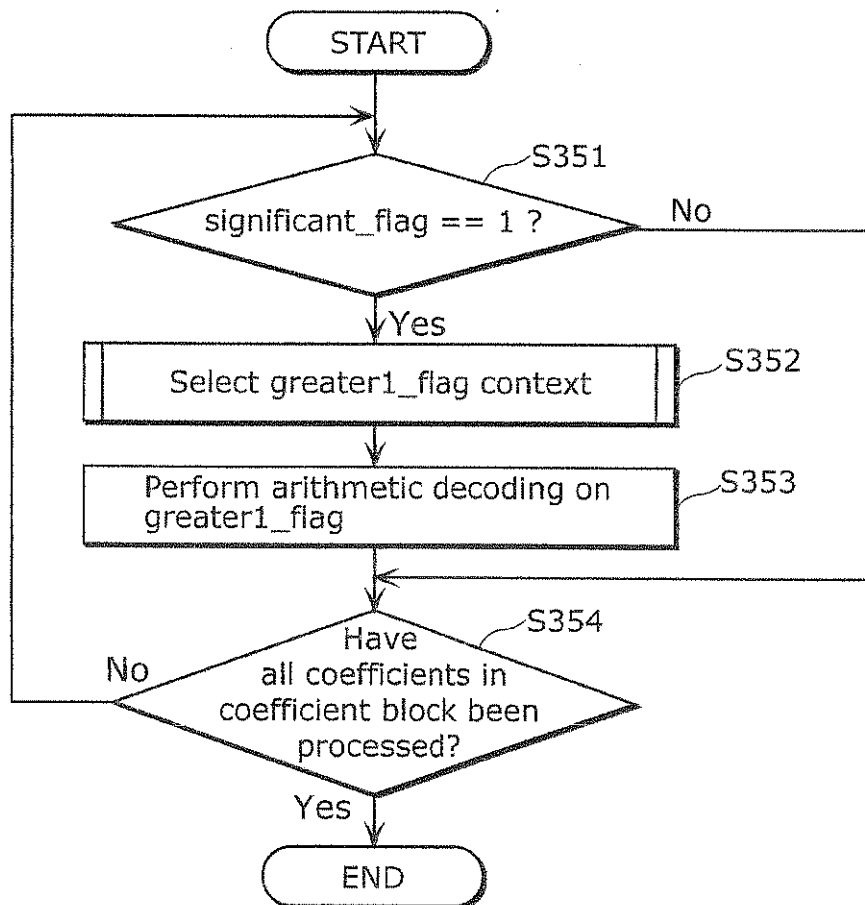


FIG. 27

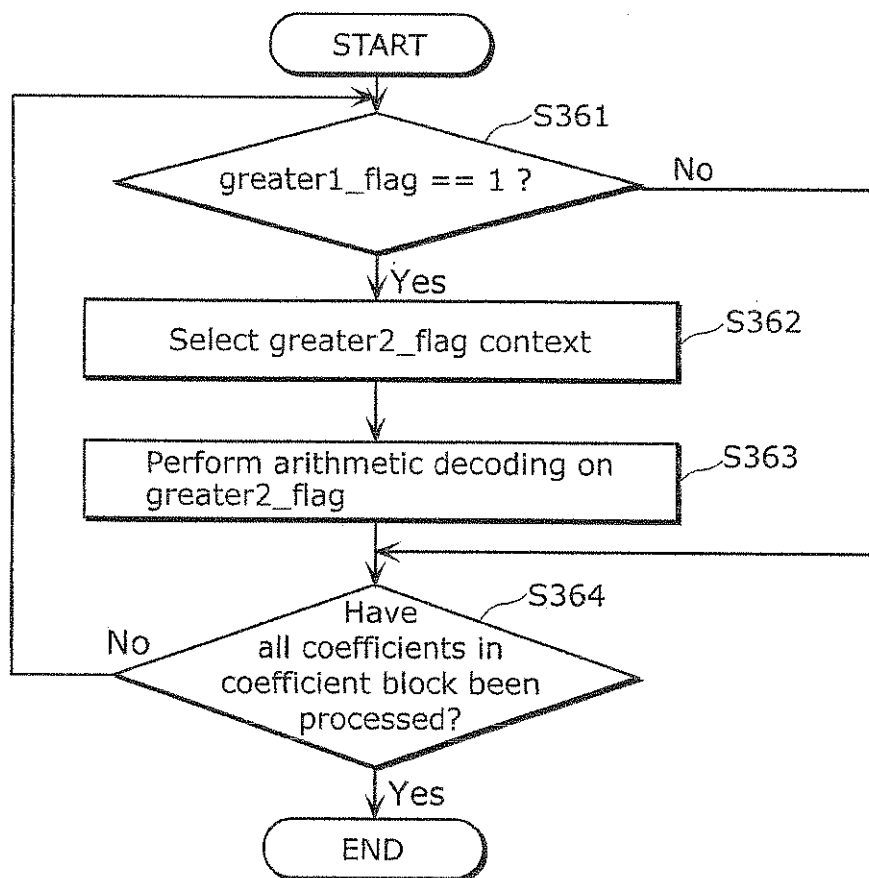


FIG. 28

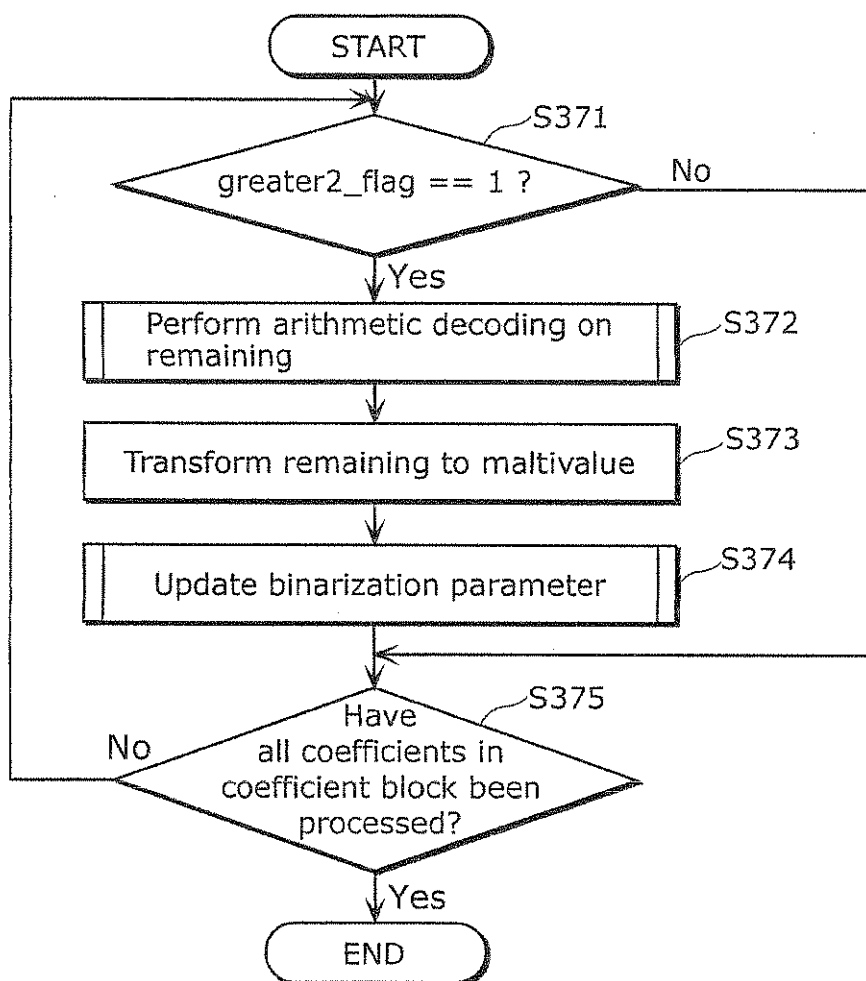


FIG. 29

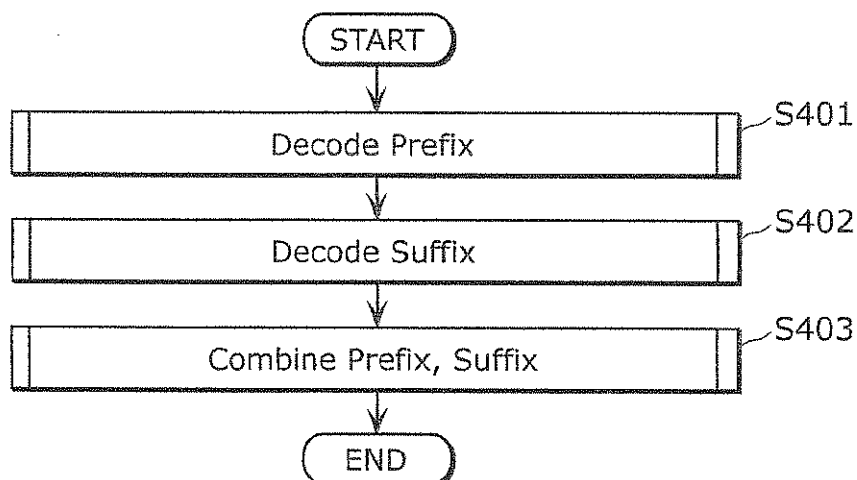


FIG. 30

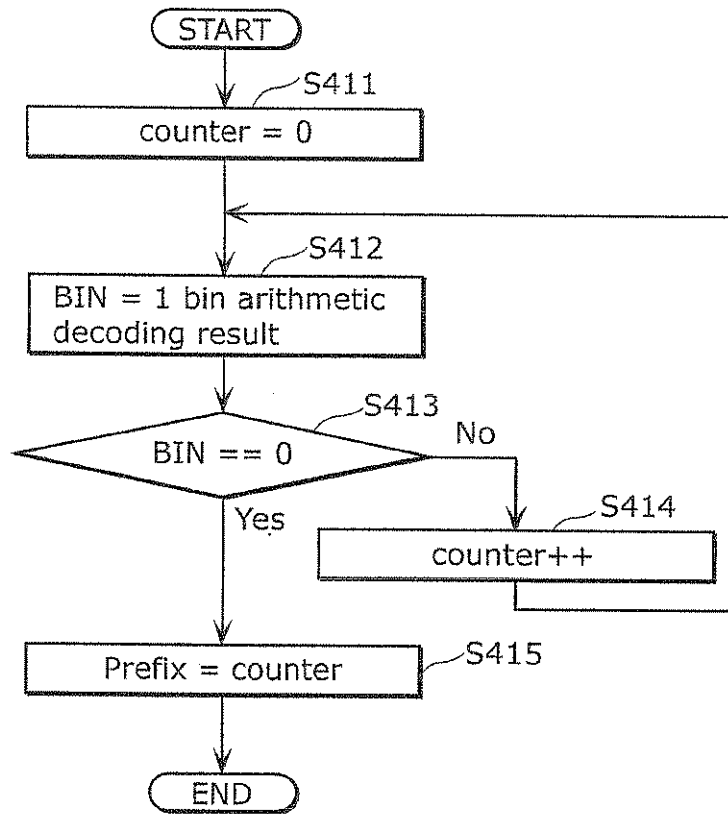


FIG. 31

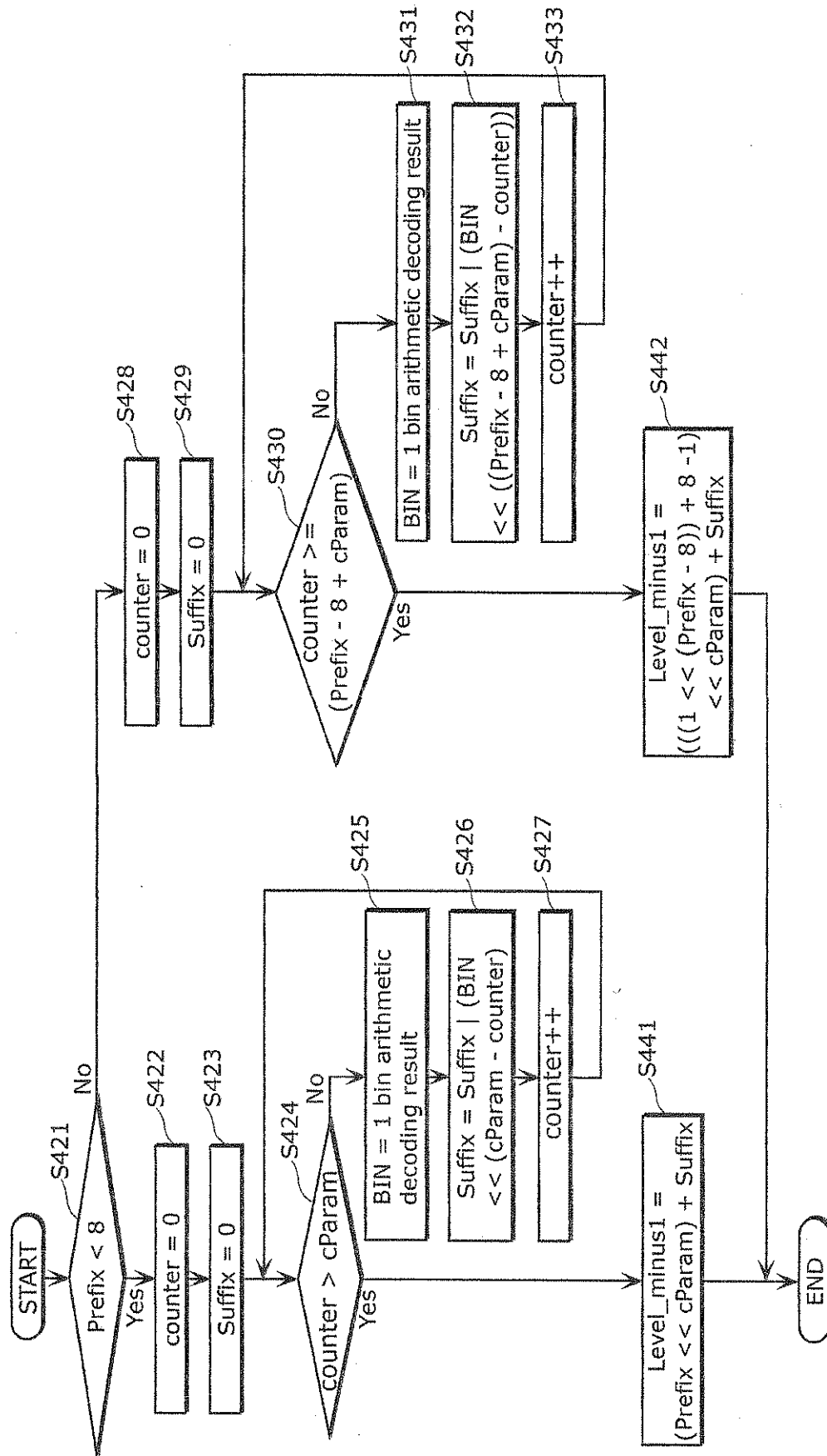


FIG. 32A

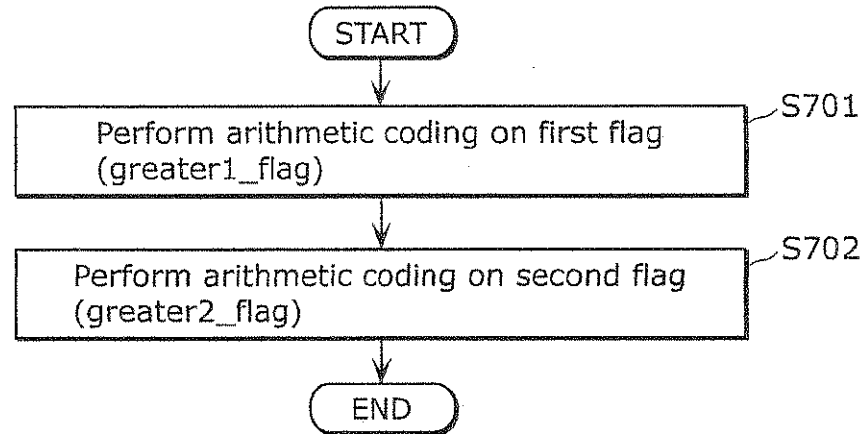


FIG. 32B

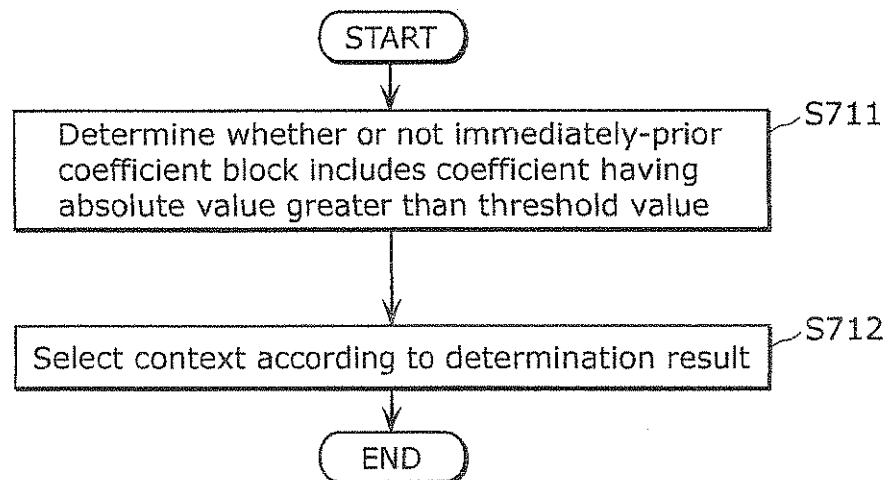


FIG. 33A

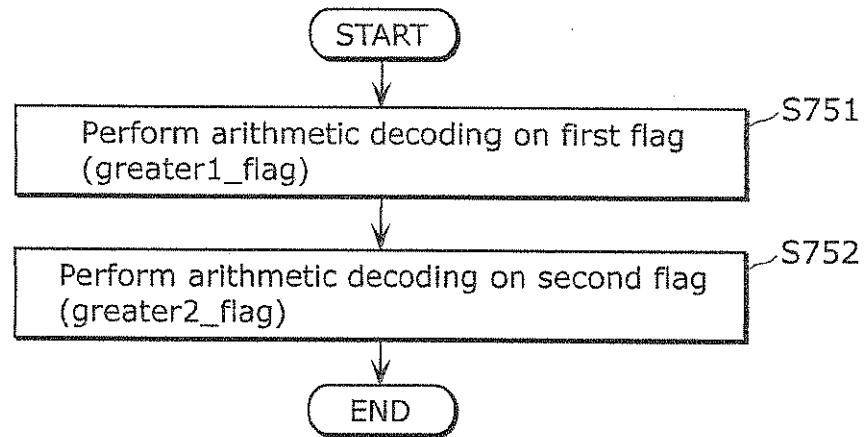


FIG. 33B

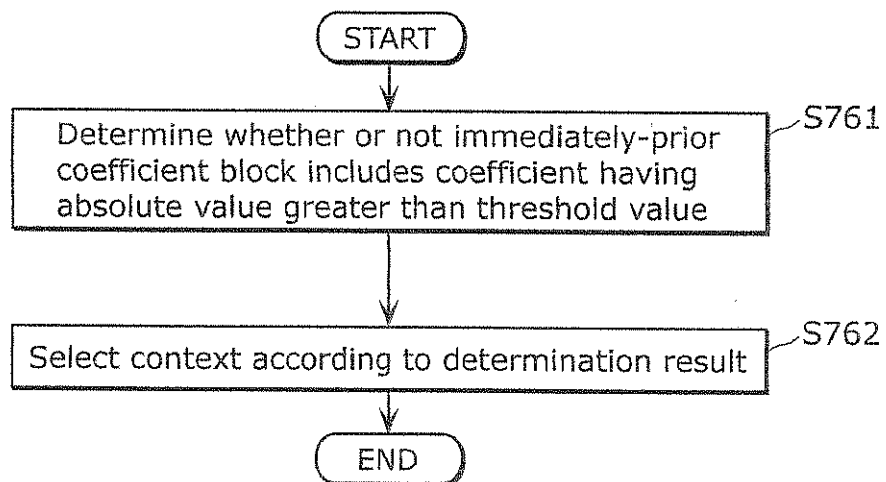


FIG. 34

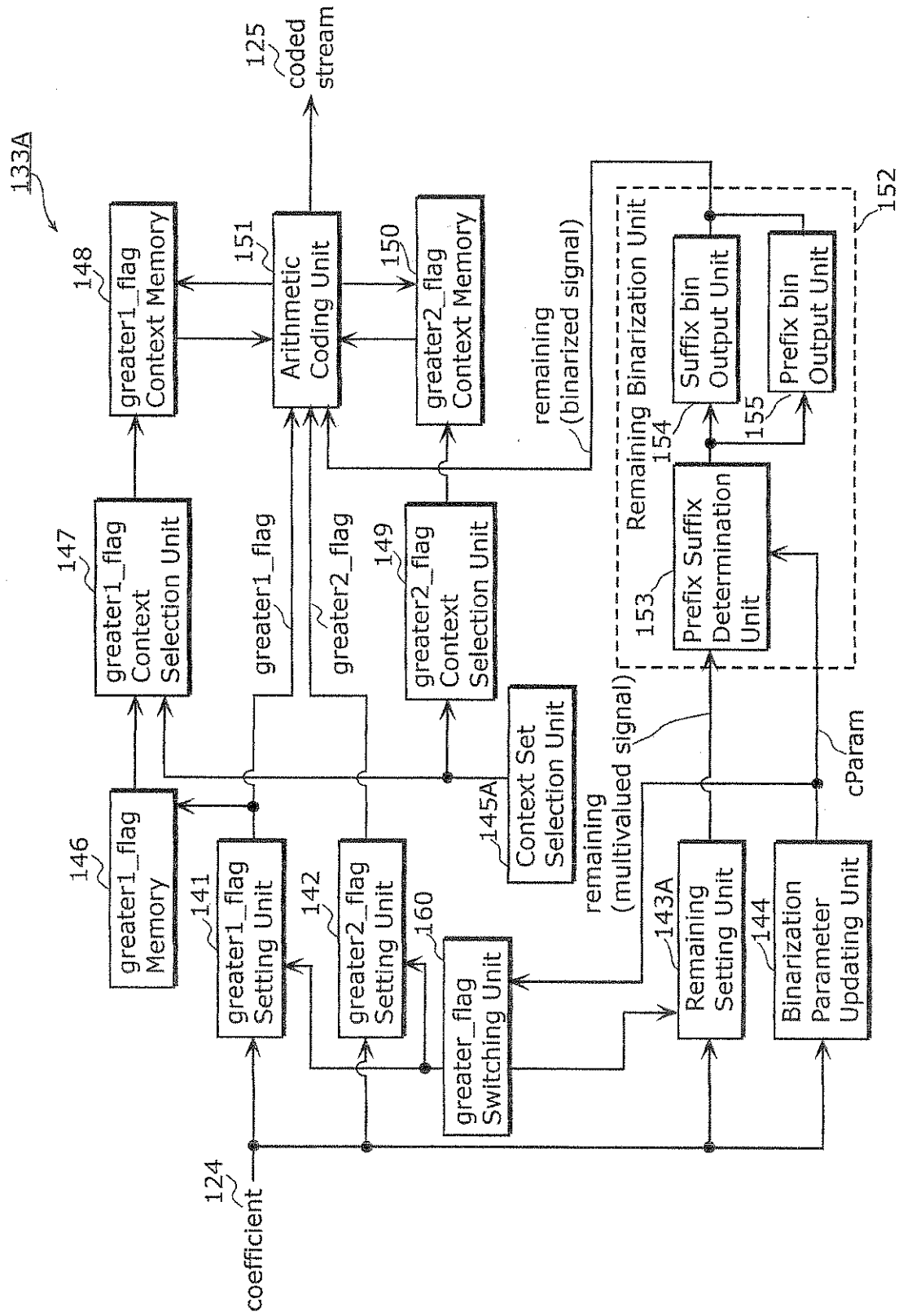


FIG. 35

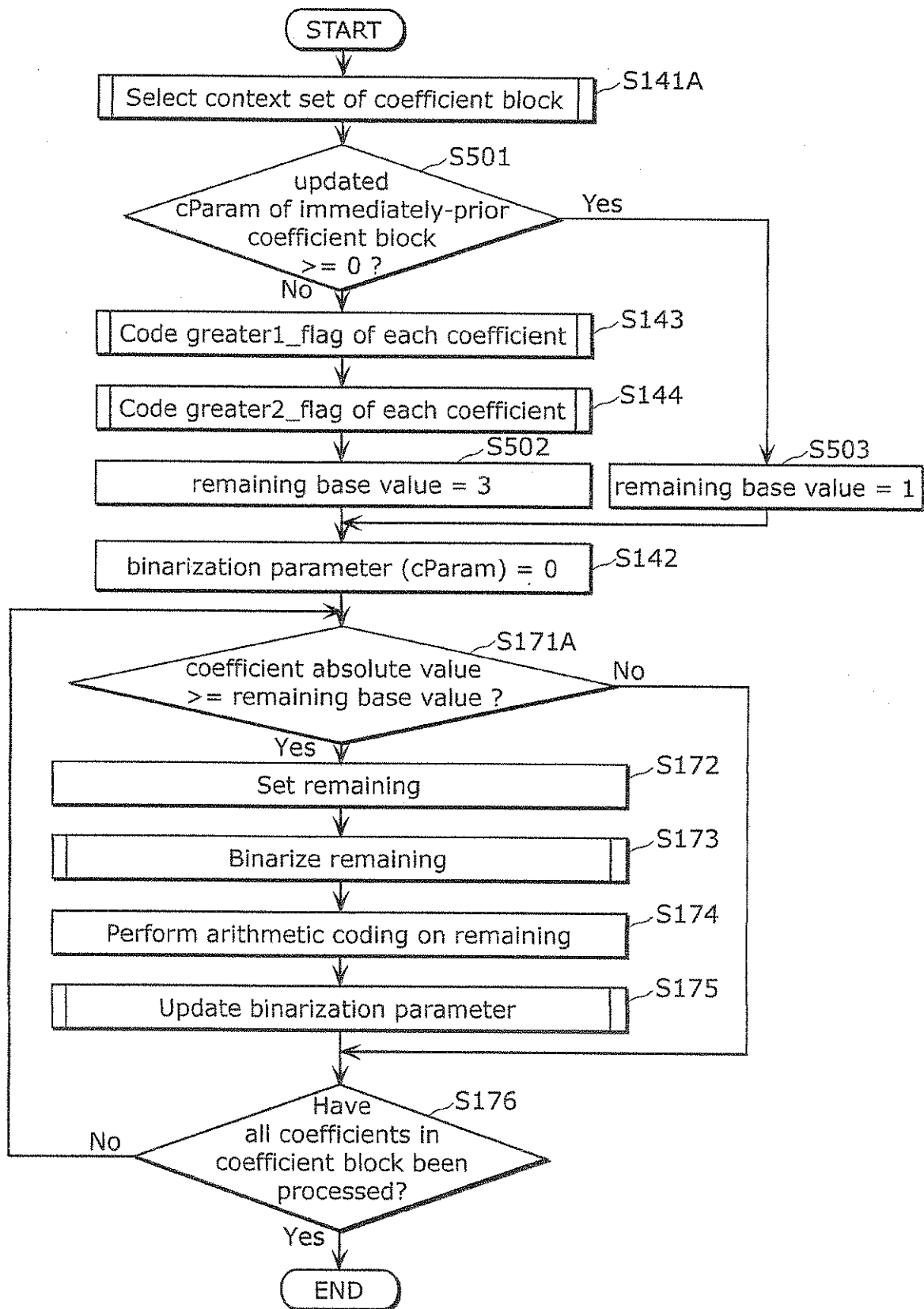


FIG. 36

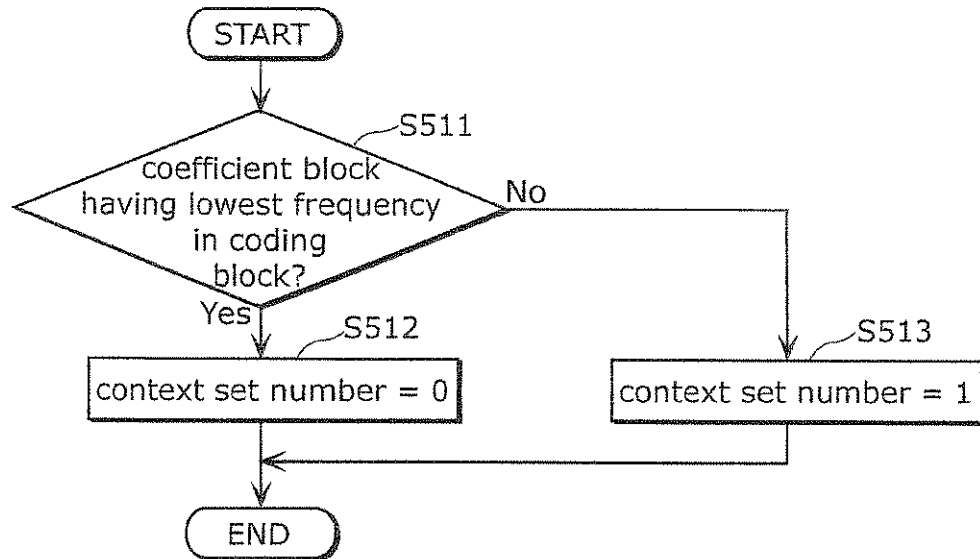


FIG. 37

|              | Main |      |      | HE10 |      |      |
|--------------|------|------|------|------|------|------|
|              | AI   | RA   | LB   | AI   | RA   | LB   |
| Embodiment 3 | 0.06 | 0.04 | 0.00 | 0.04 | 0.01 | 0.00 |

FIG. 38

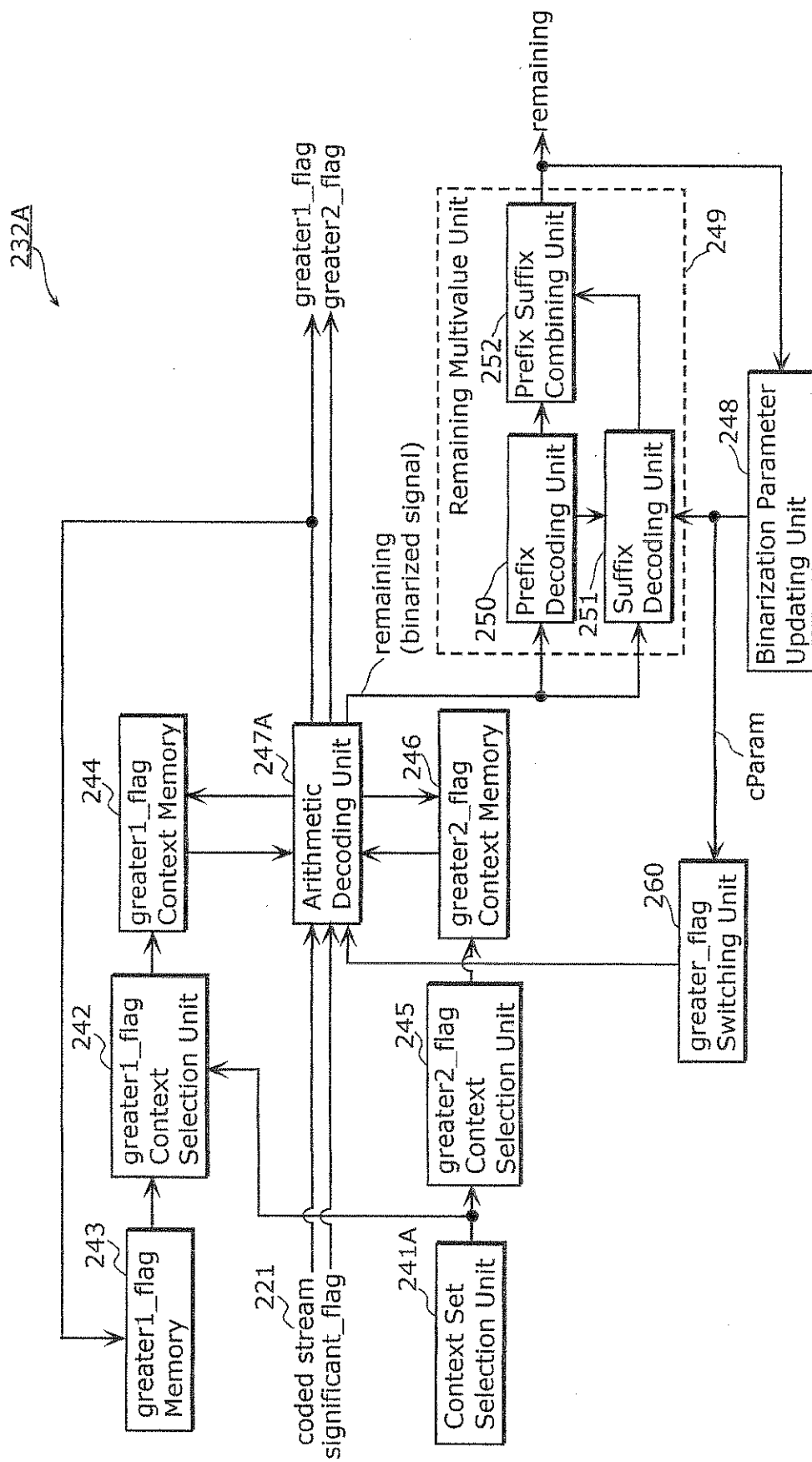


FIG. 39

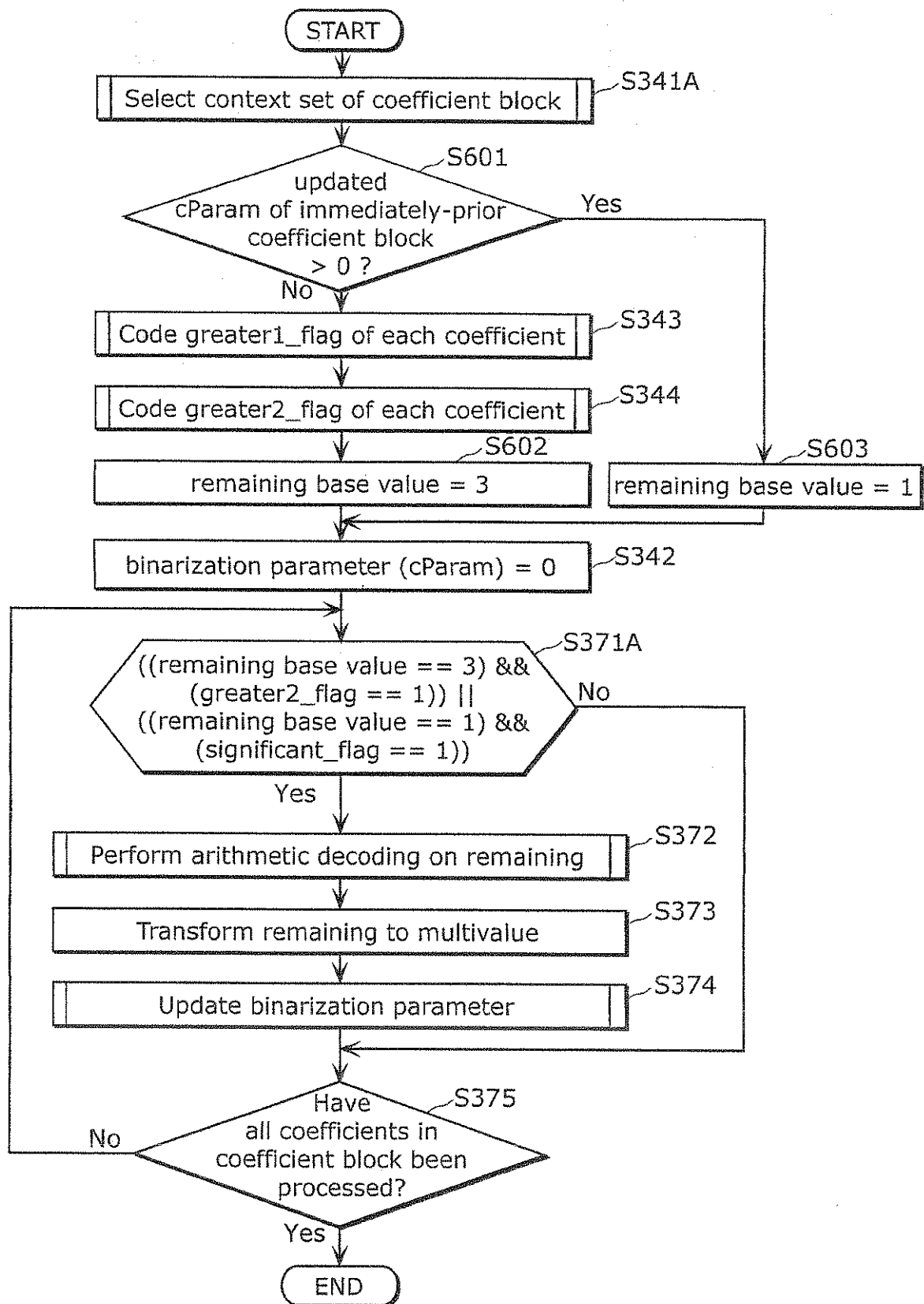


FIG. 40

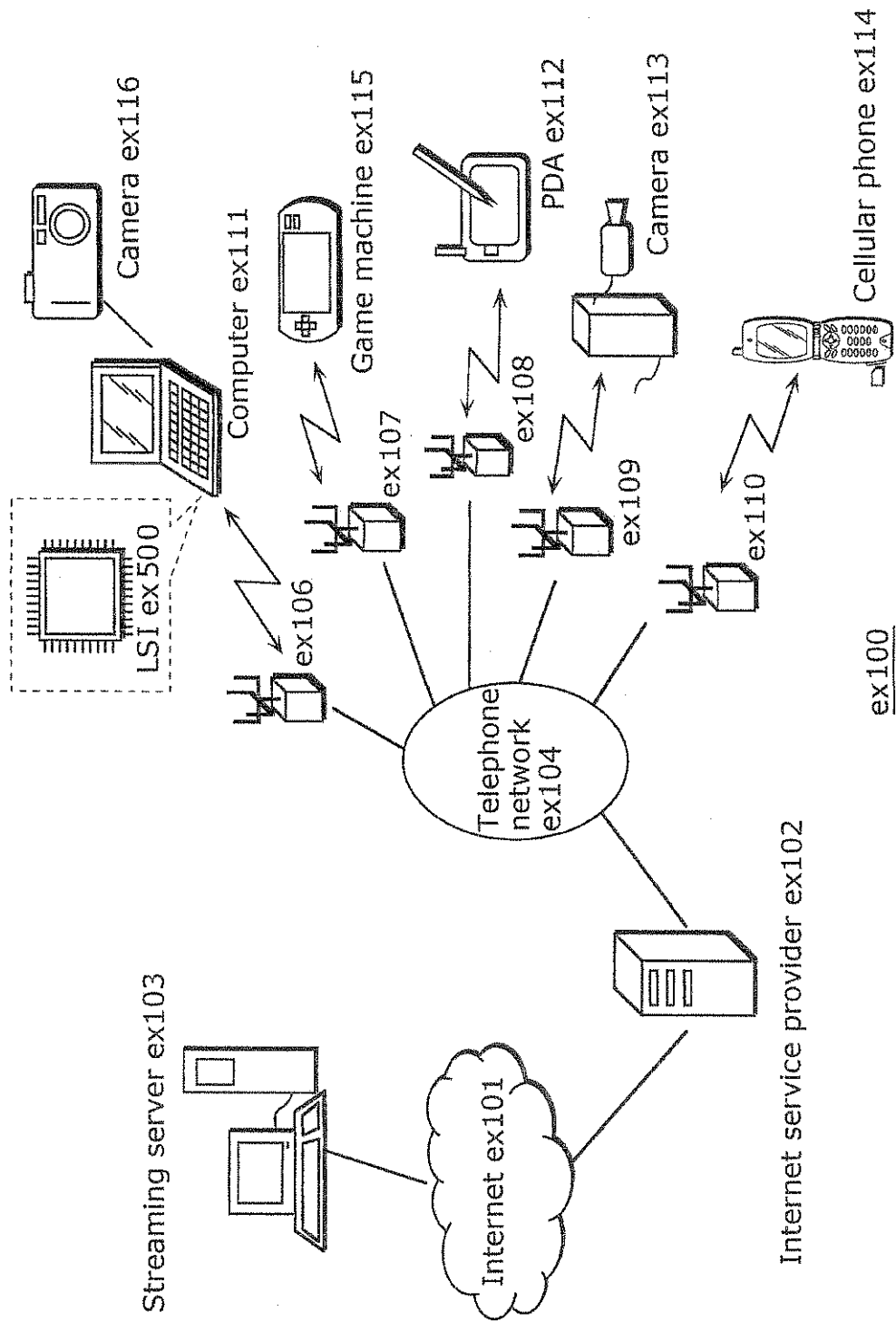


FIG. 41

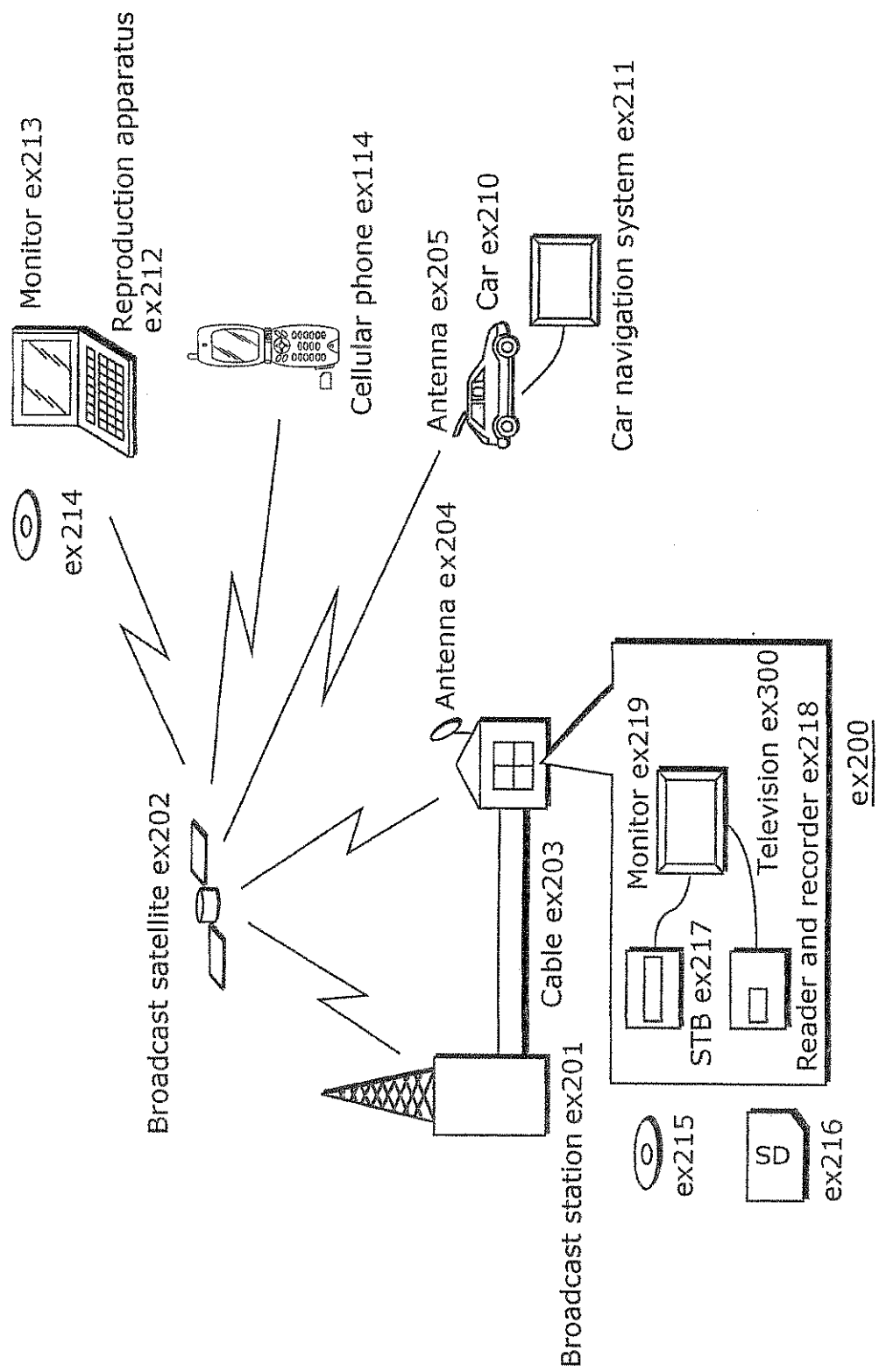


FIG. 42

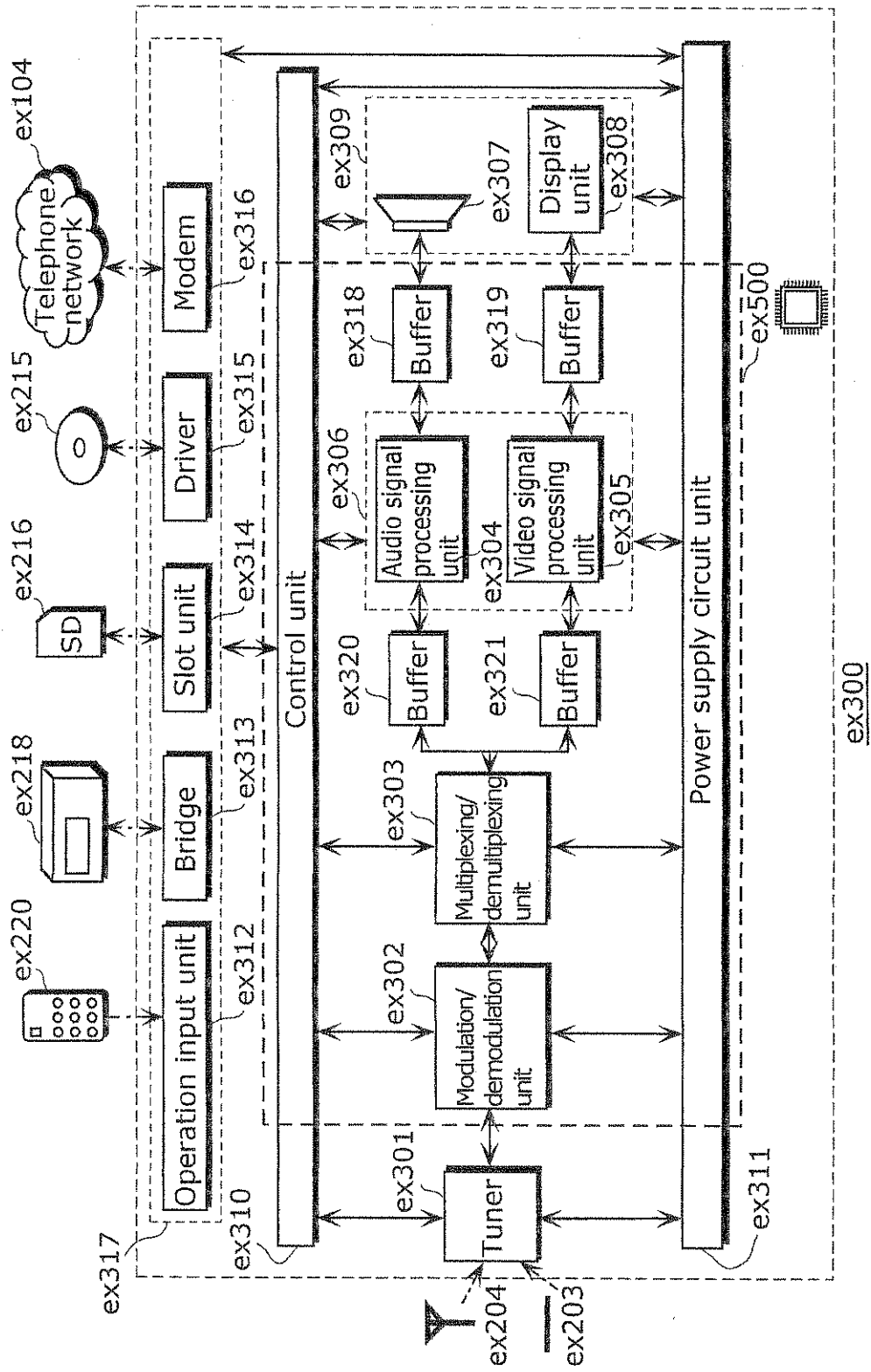


FIG. 43

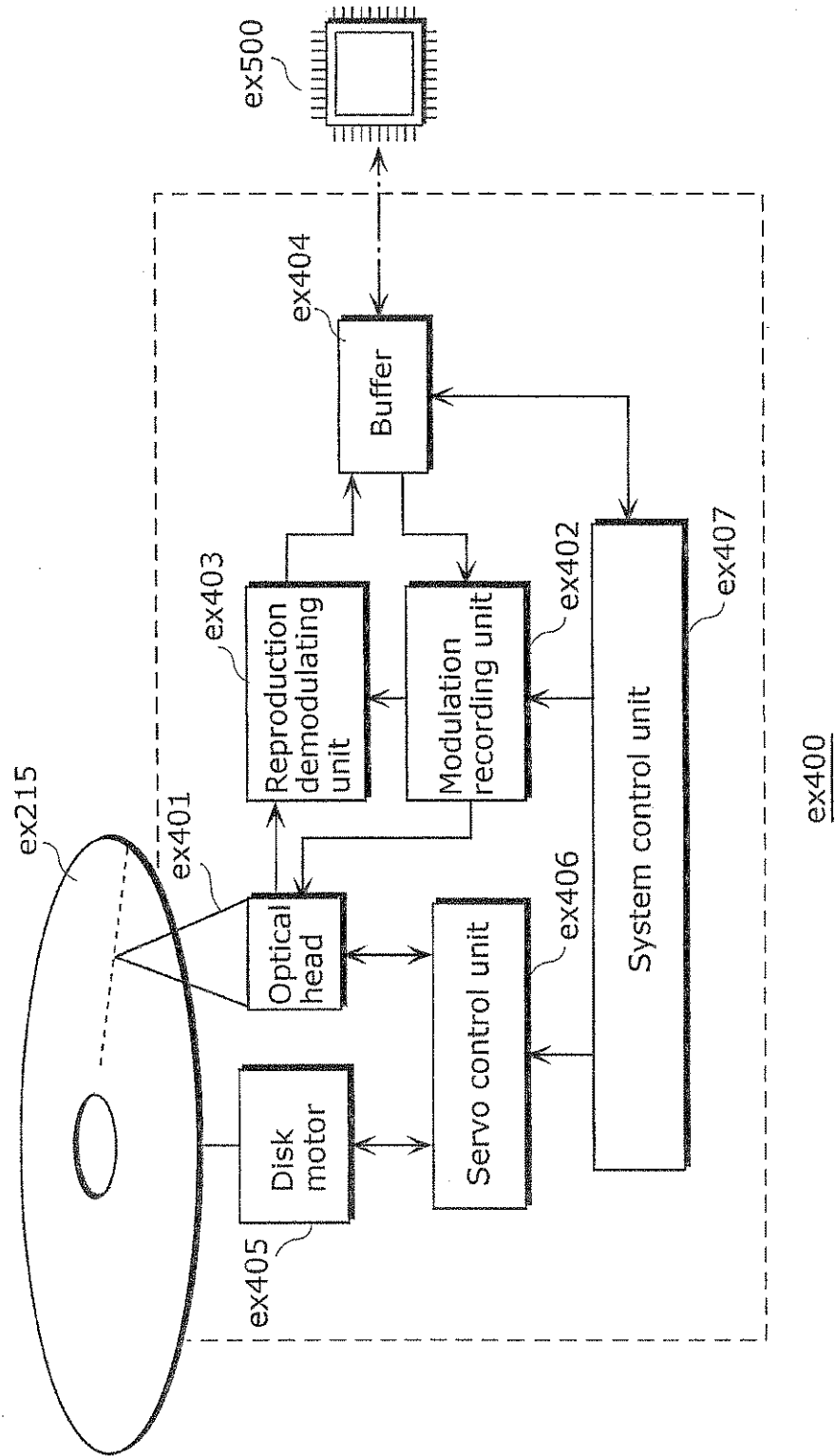


FIG. 44

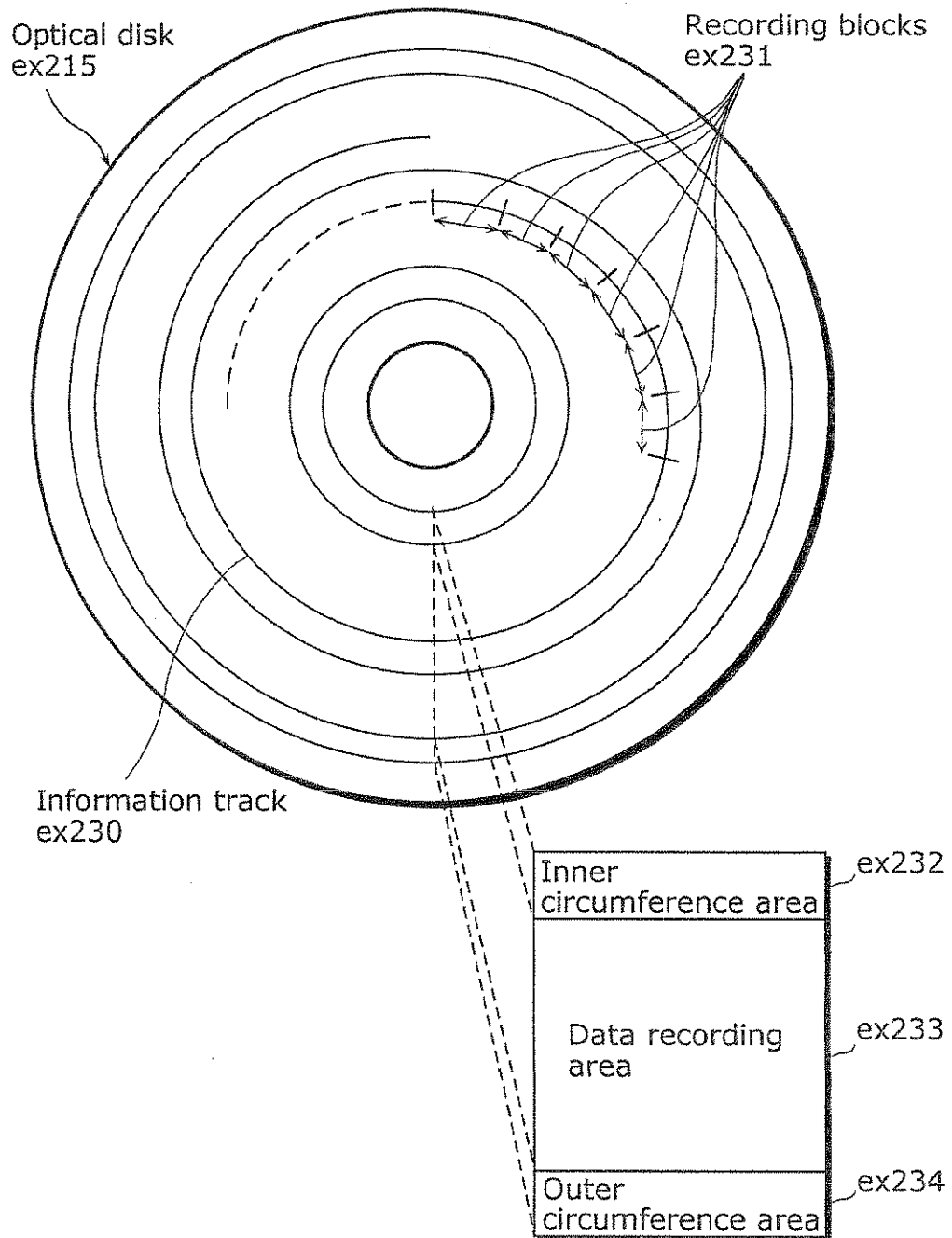


FIG. 45A

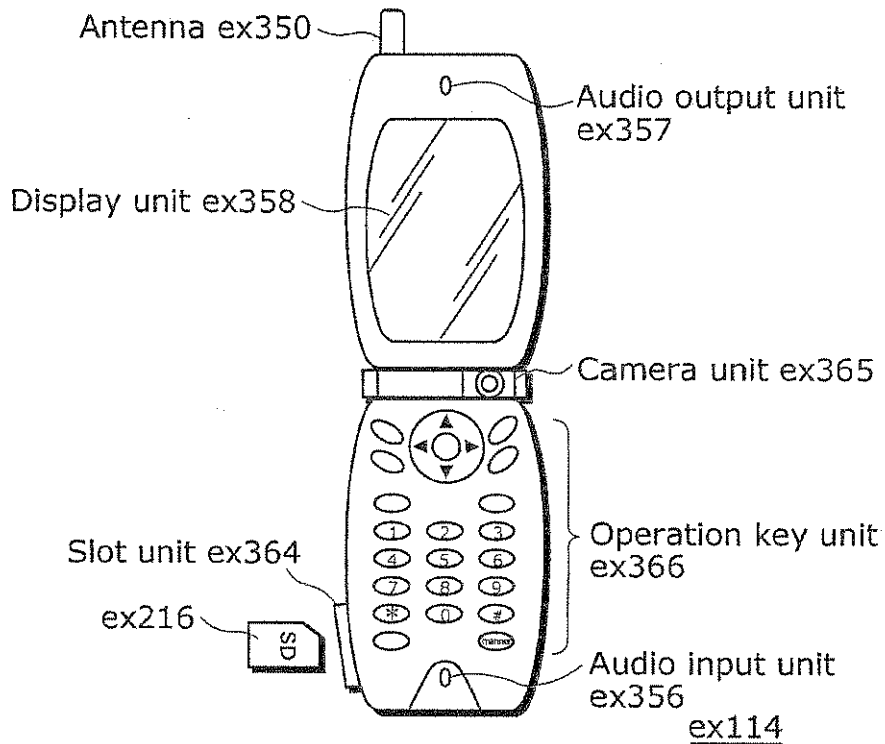


FIG. 45B

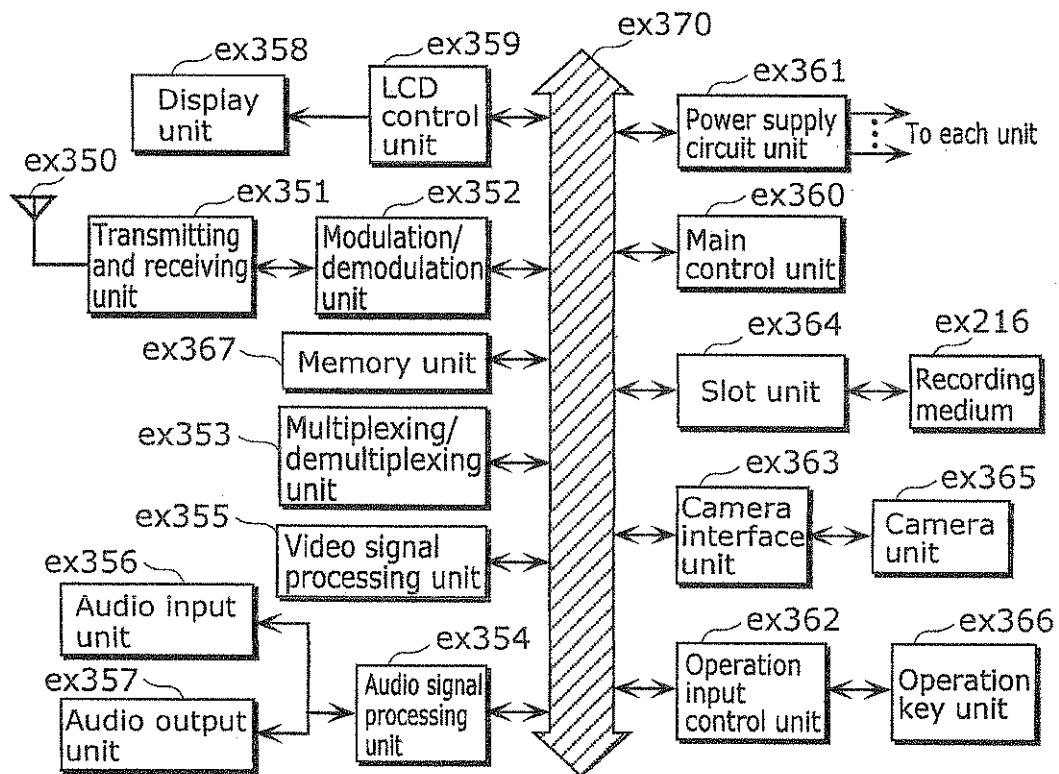


FIG. 46

|                                            |
|--------------------------------------------|
| Video stream (PID=0x1011, Primary video)   |
| Audio stream (PID=0x1100)                  |
| Audio stream (PID=0x1101)                  |
| Presentation graphics stream (PID=0x1200)  |
| Presentation graphics stream (PID=0x1201)  |
| Interactive graphics stream (PID=0x1400)   |
| Video stream (PID=0x1B00, Secondary video) |
| Video stream (PID=0x1B01, Secondary video) |

FIG. 47

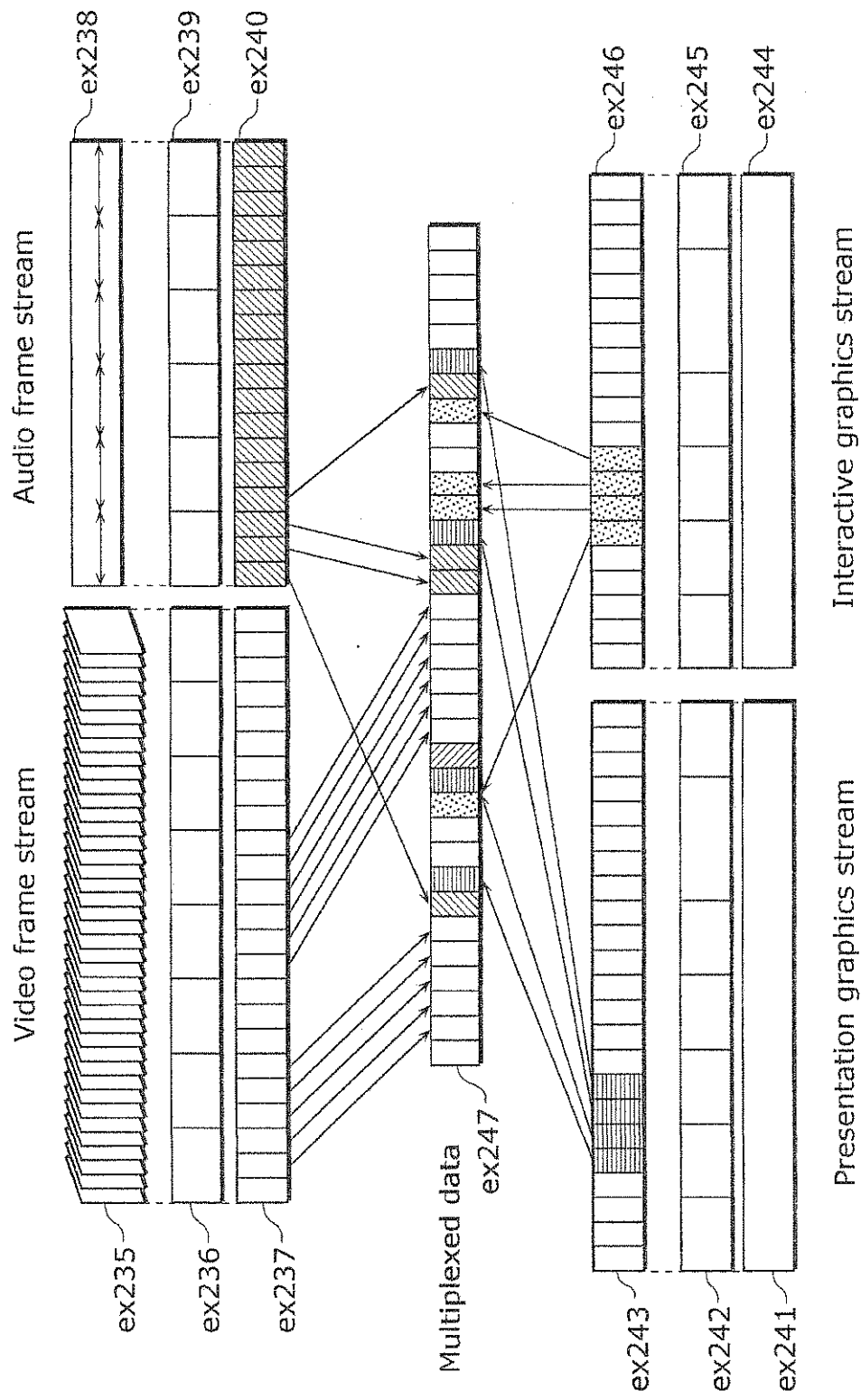


FIG. 48

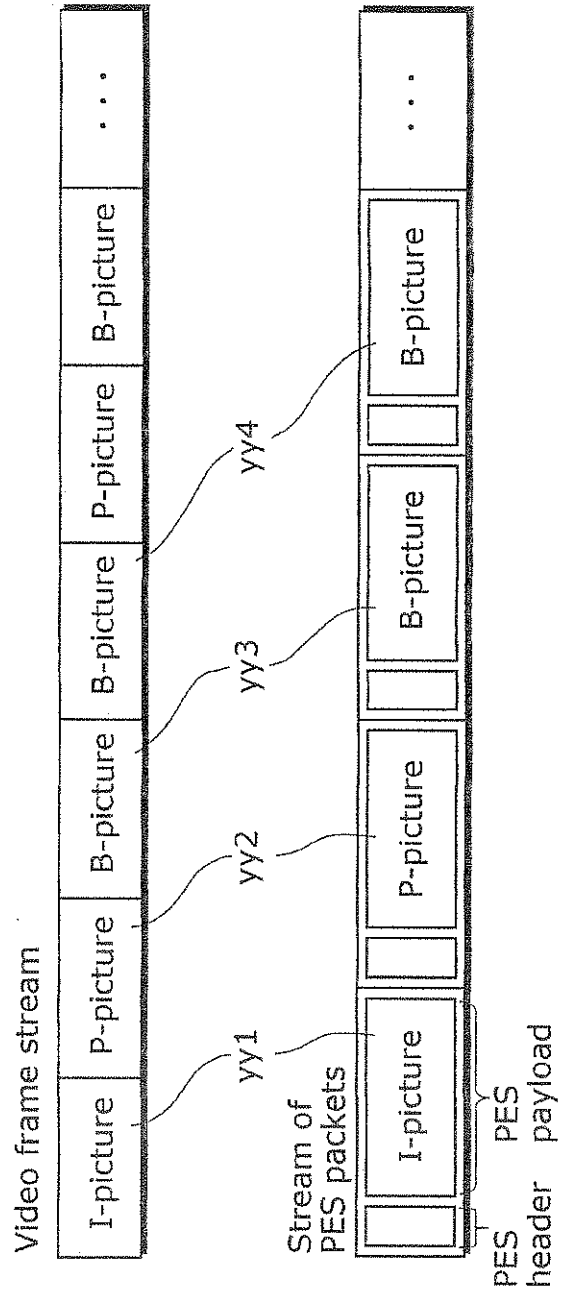
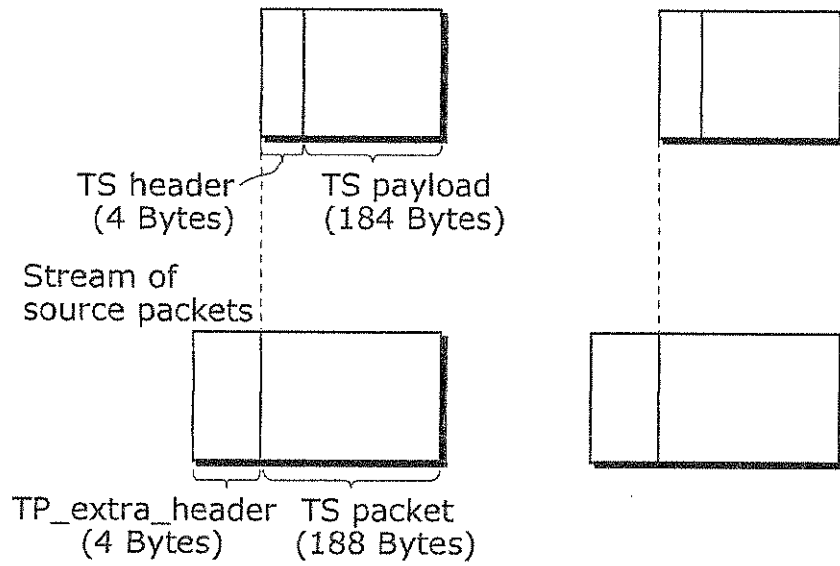


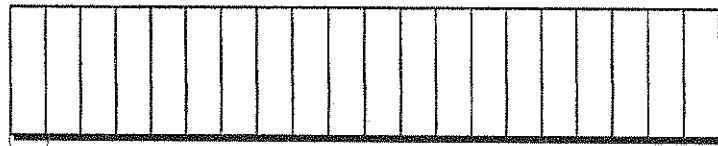
FIG. 49

Stream of TS packets



Multiplexed data

SPN 0 1 2 3 4 5 6 7 ...



Source packet

FIG. 50

Data structure of PMT

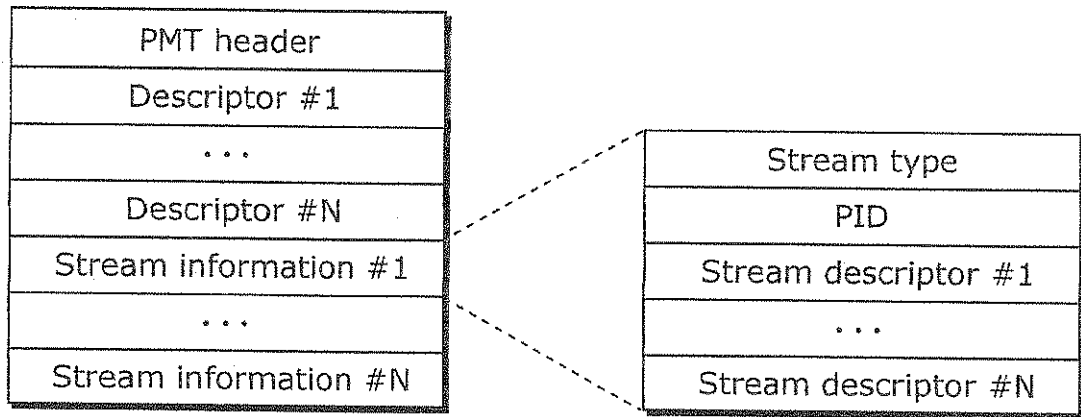


FIG. 51

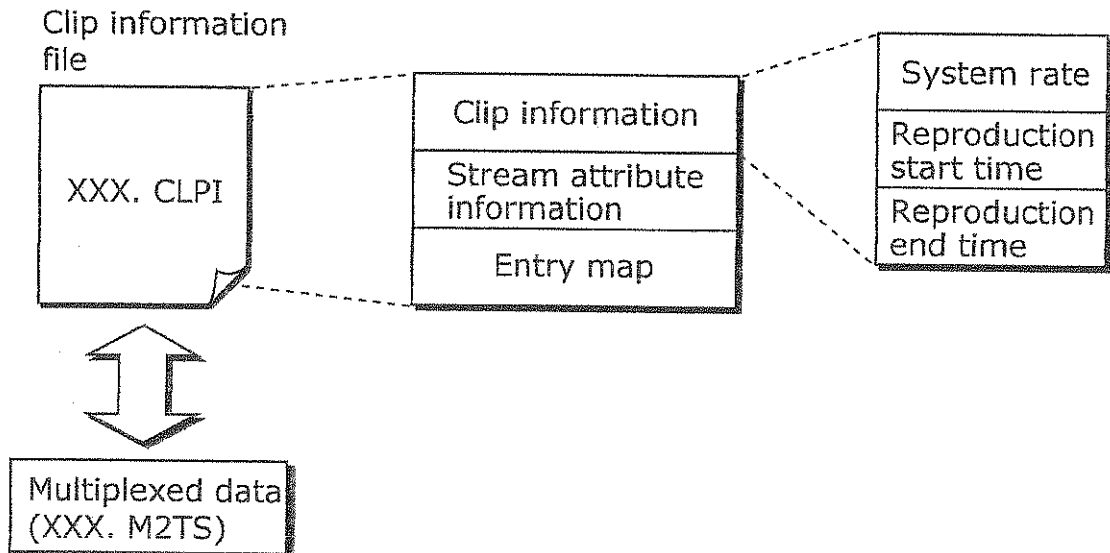


FIG. 52

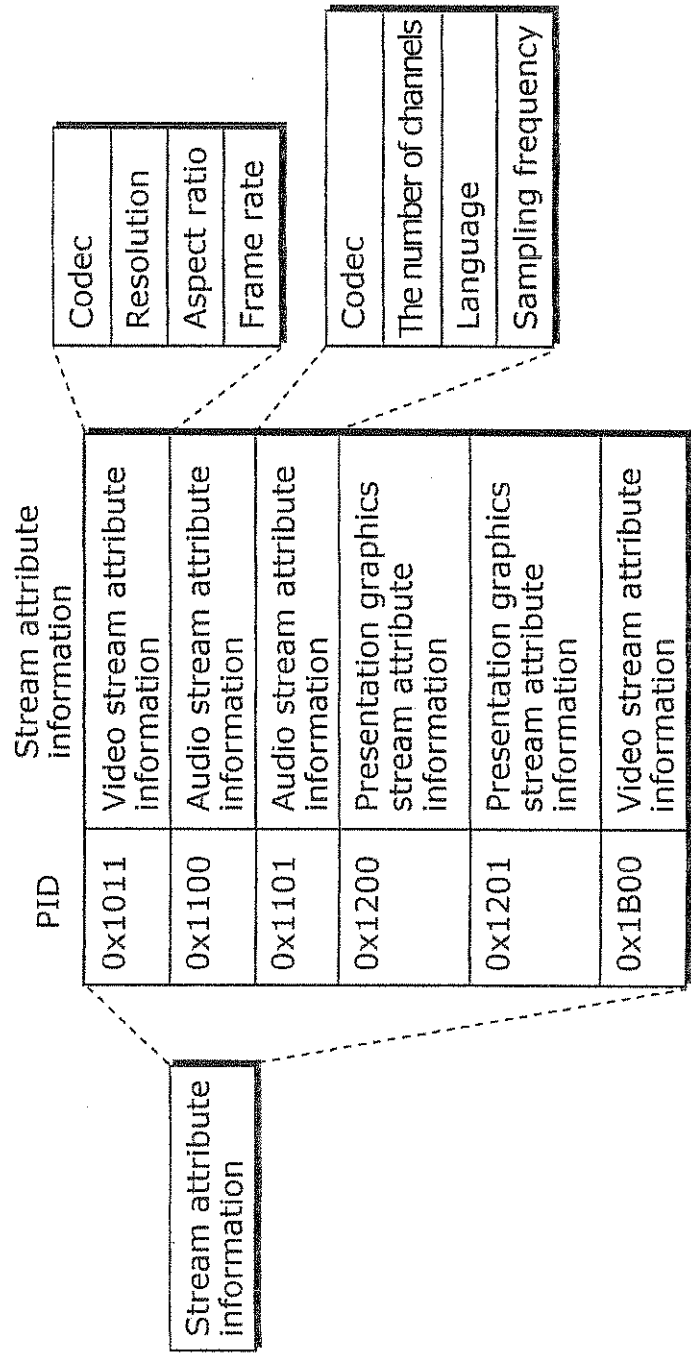


FIG. 53

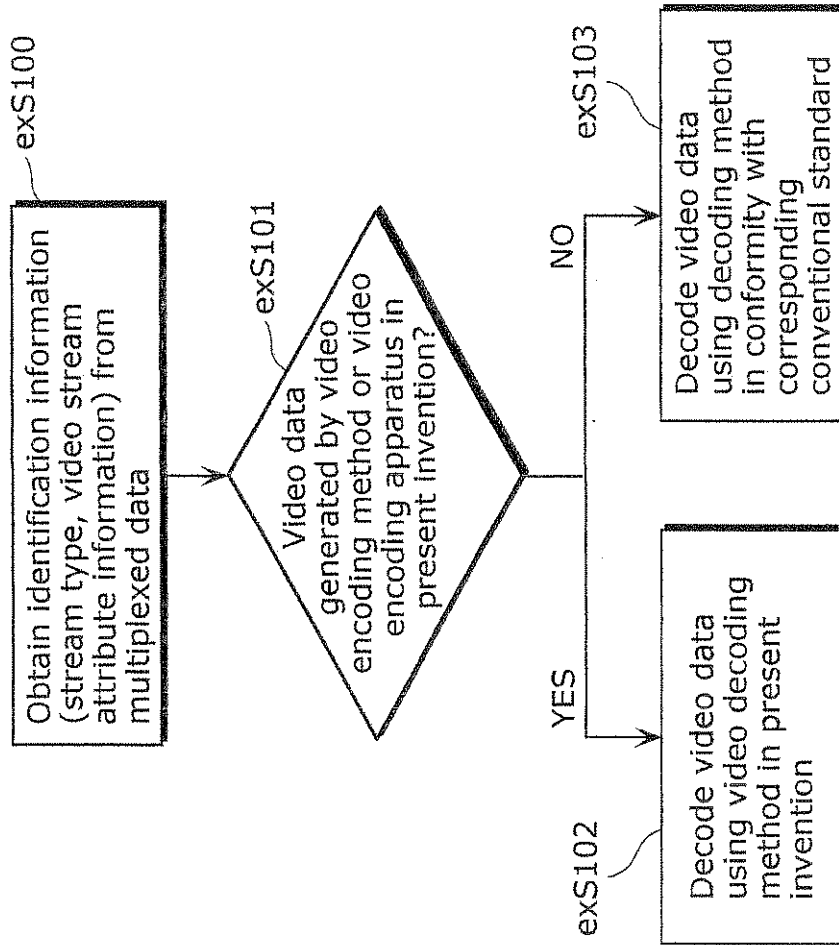


FIG. 54

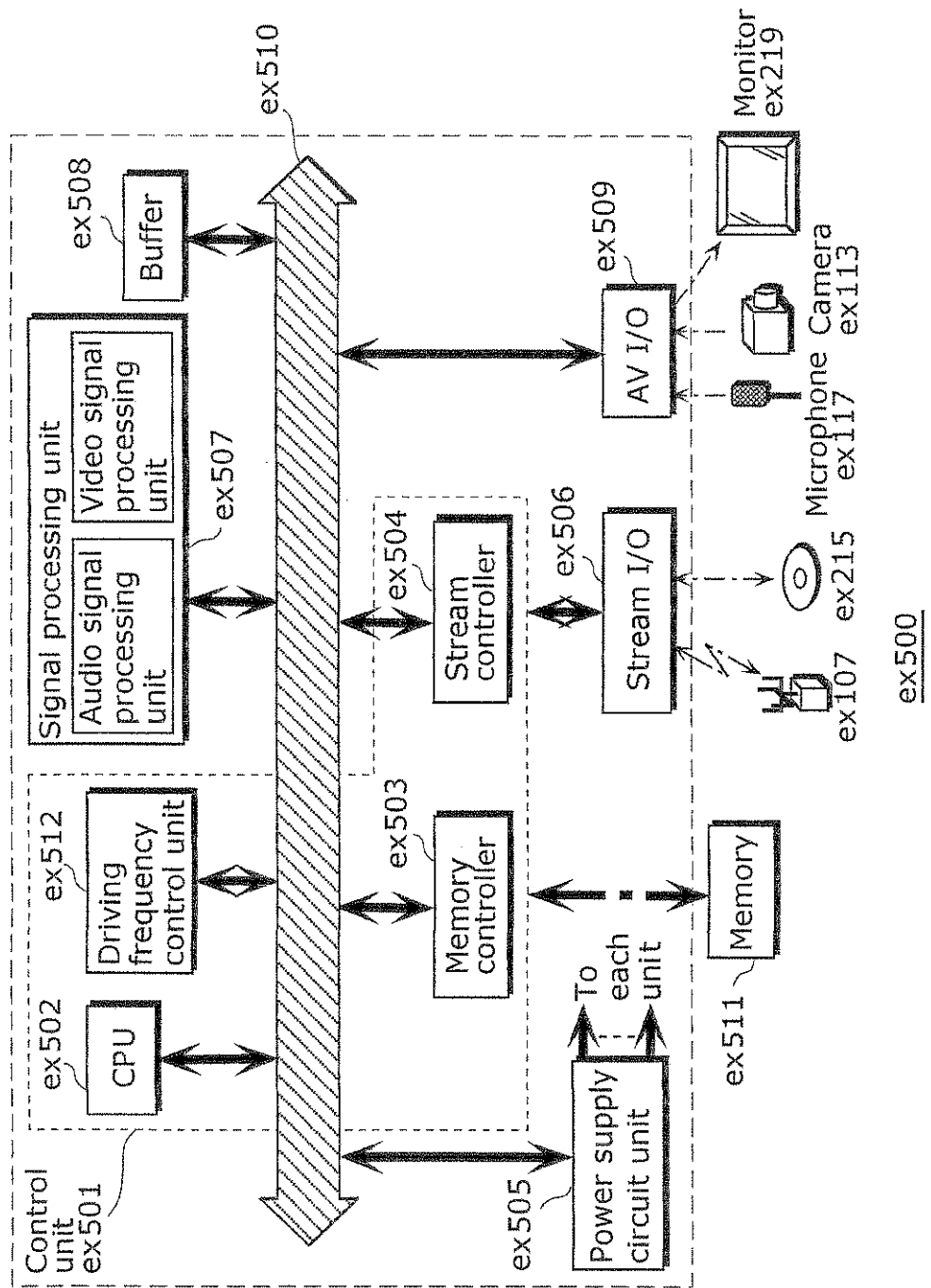


FIG. 55

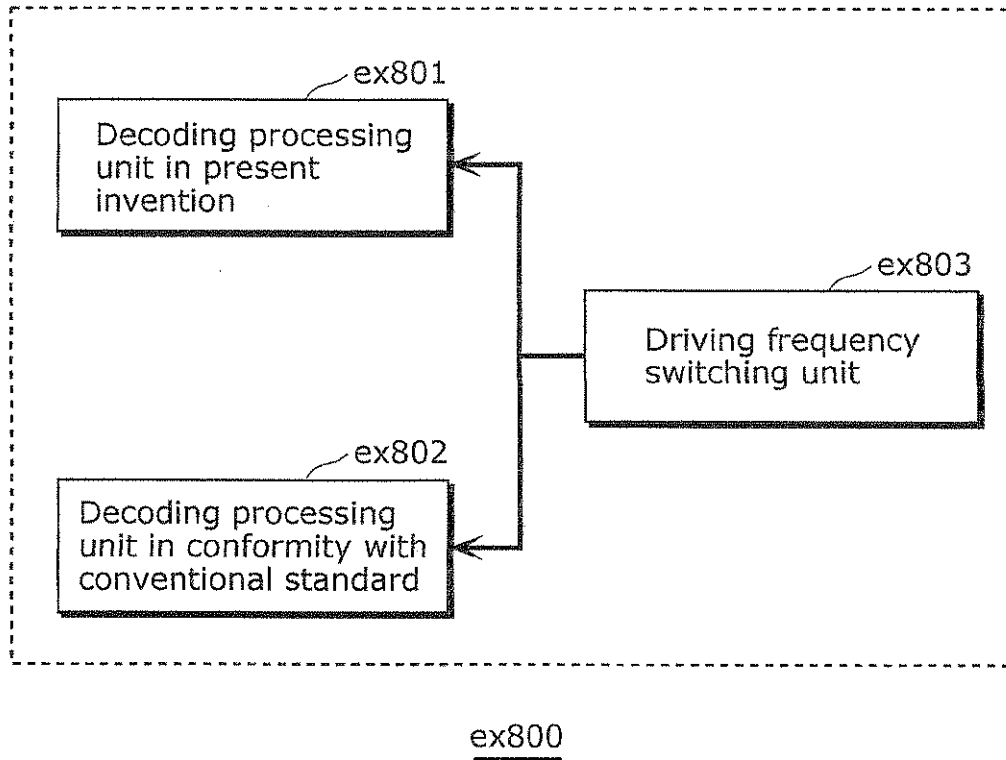


FIG. 56

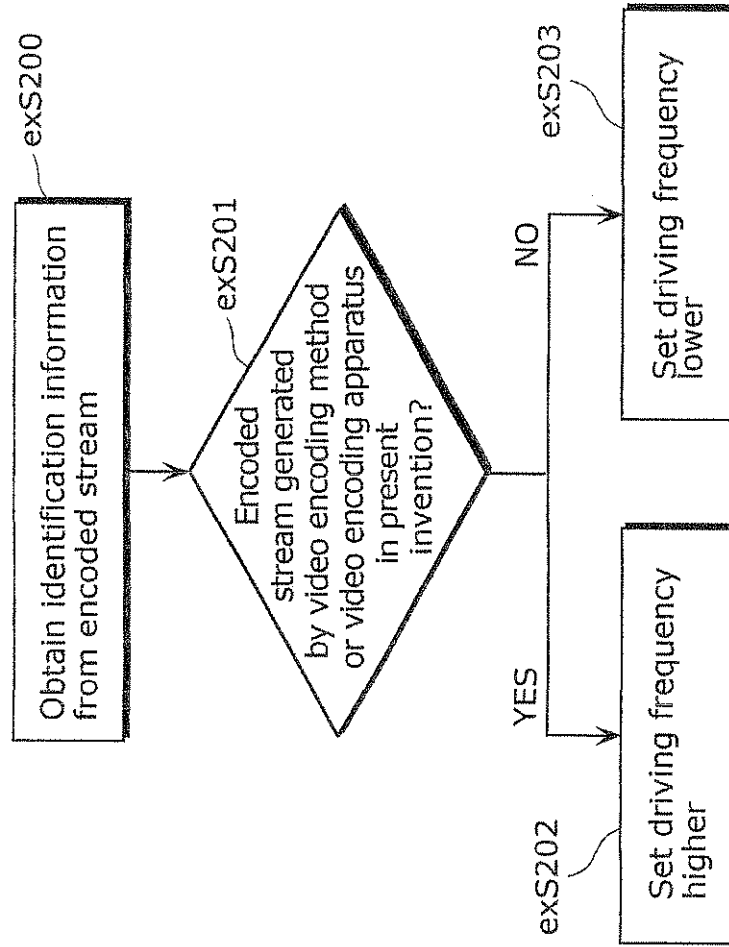


FIG. 57

| Corresponding standard | Driving frequency |
|------------------------|-------------------|
| MPEG-4 AVC             | 500 MHz           |
| MPEG-2                 | 350 MHz           |
| ⋮                      | ⋮                 |

FIG. 58A

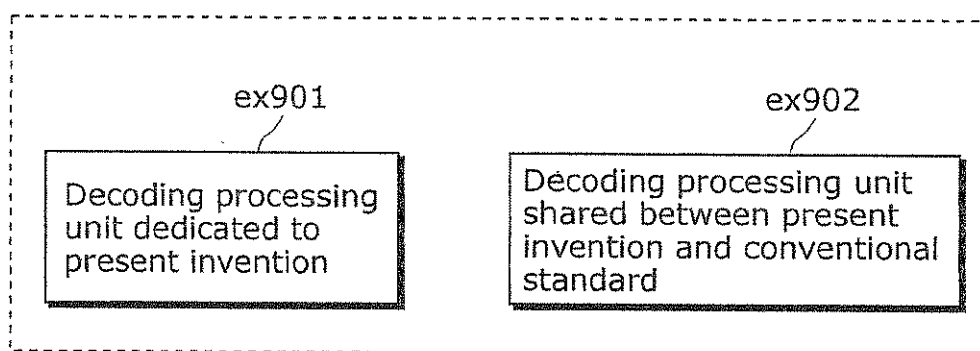
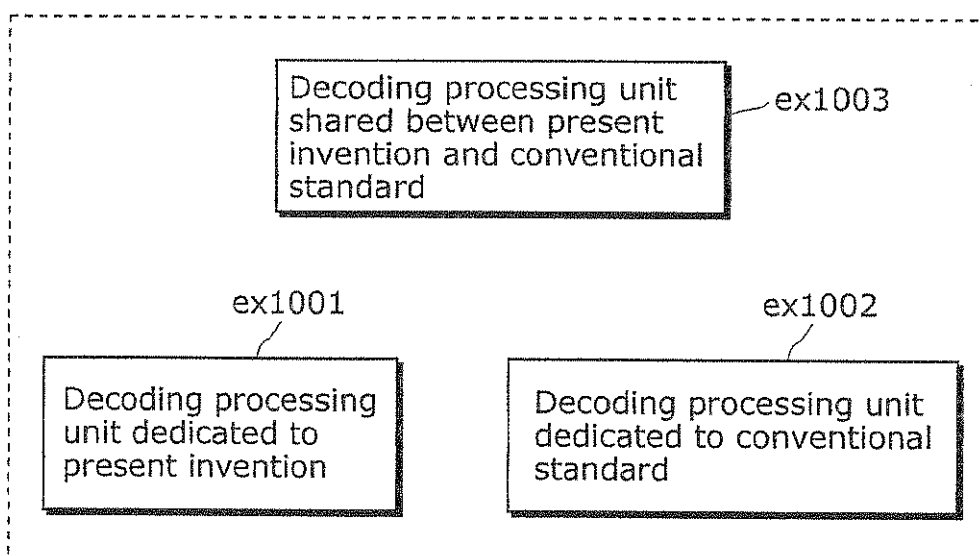


FIG. 58B

ex1000