

FIG.1

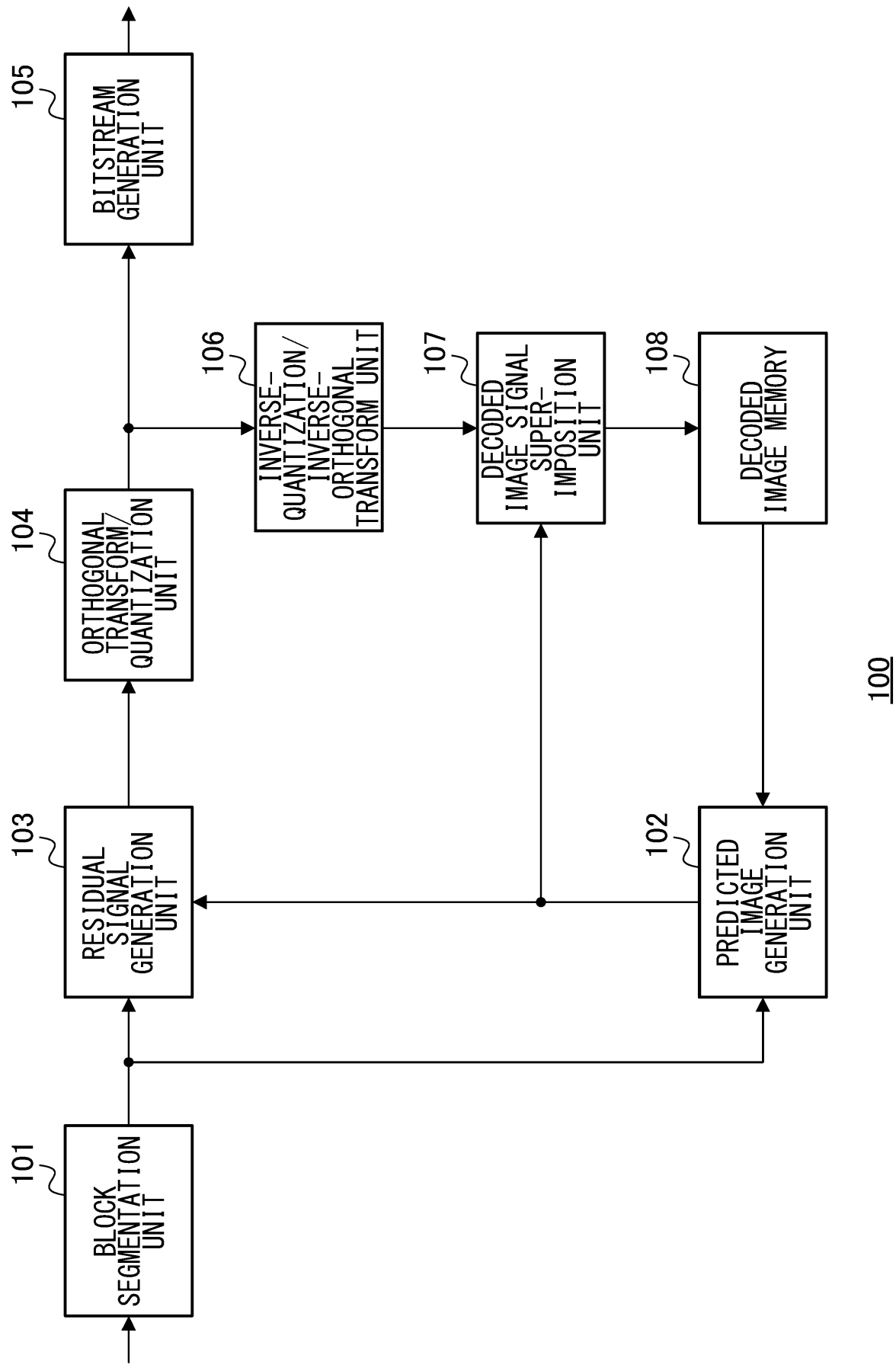
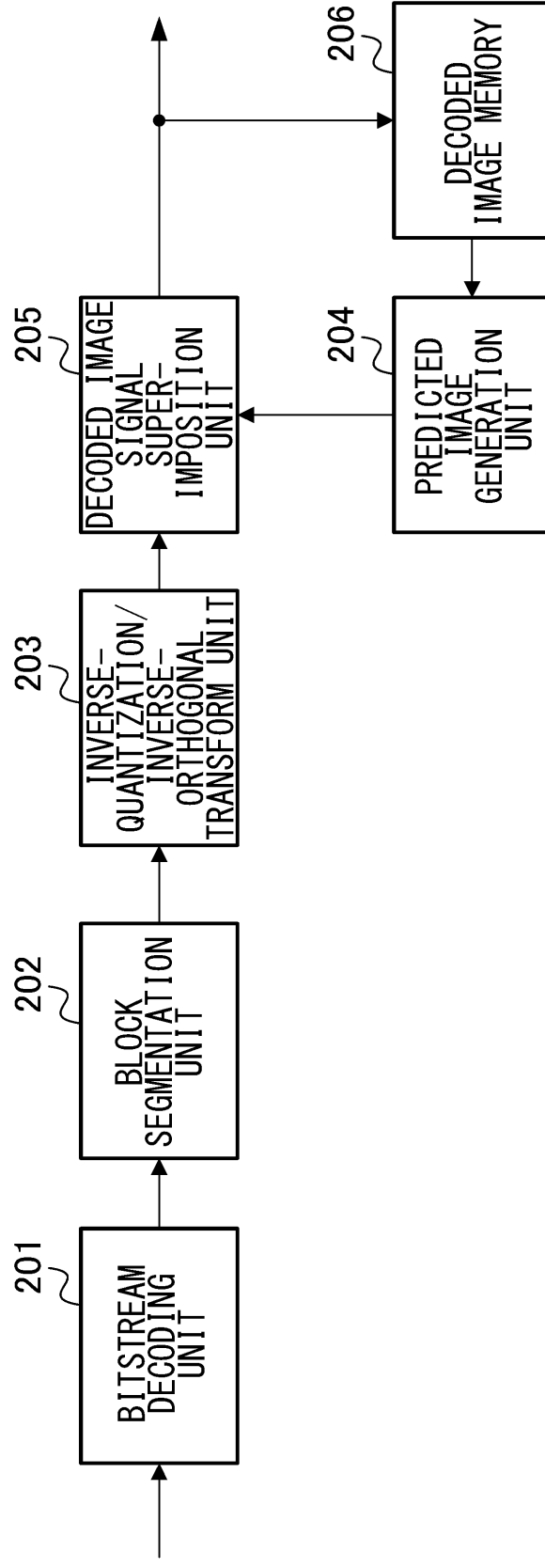


FIG.2



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FIG.3

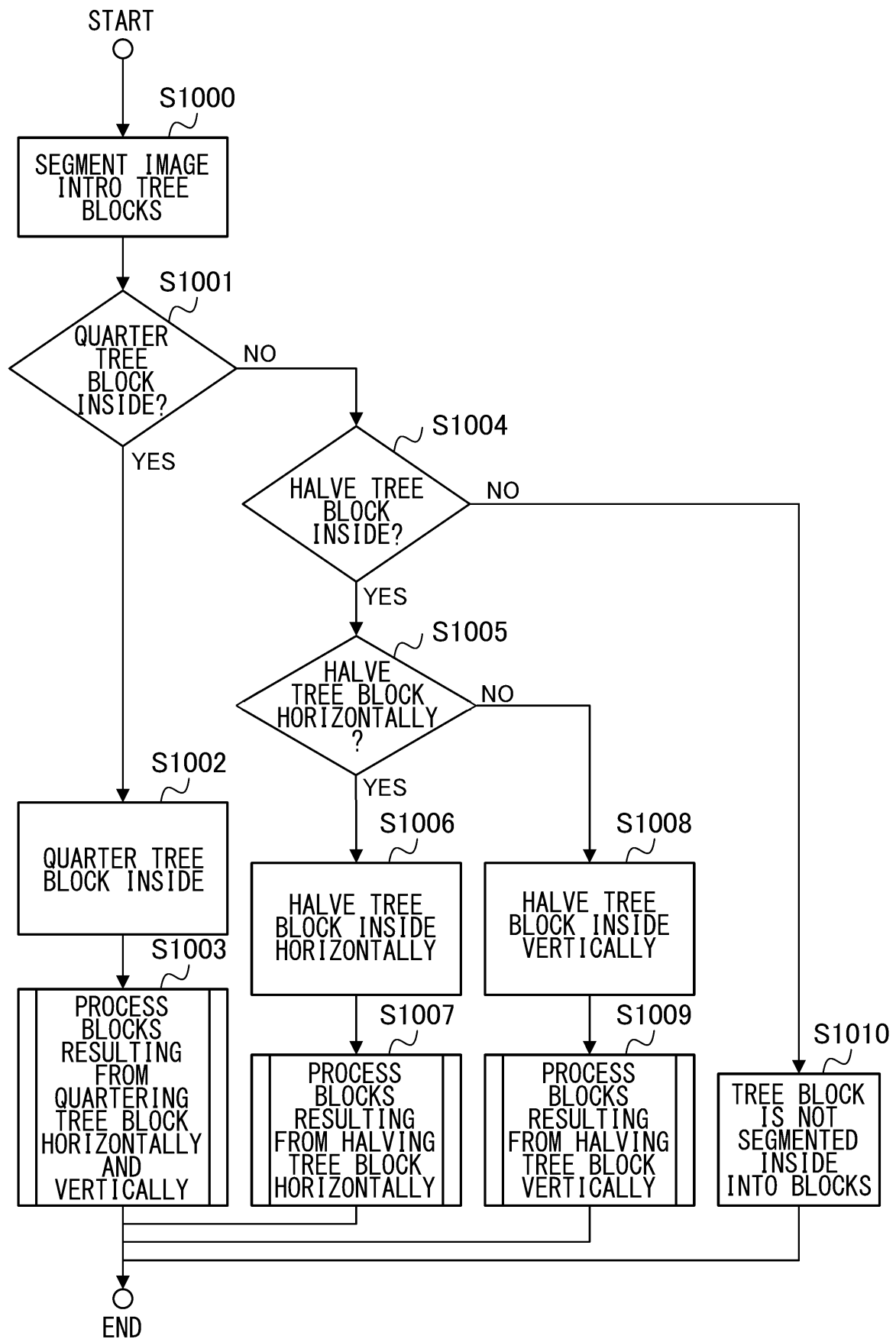


FIG.4

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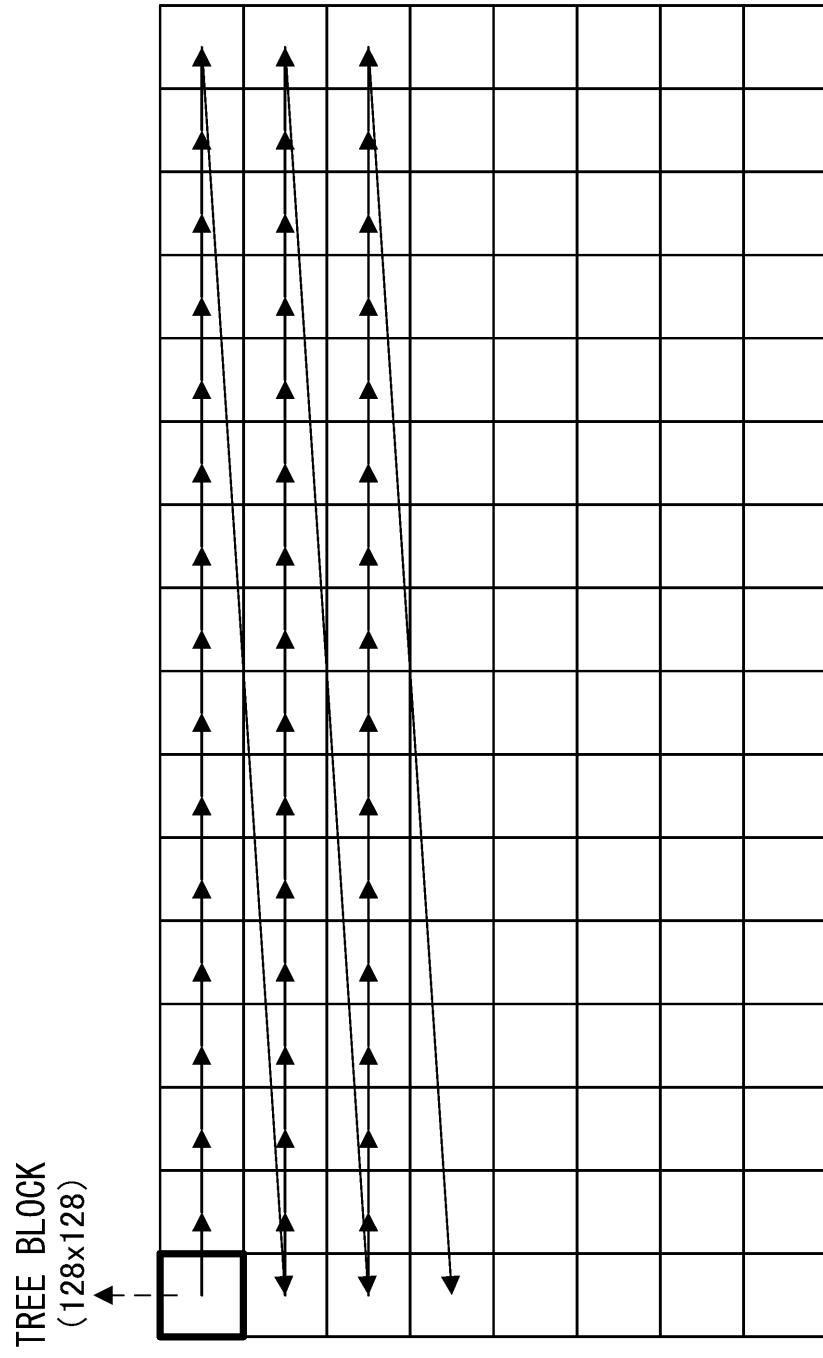
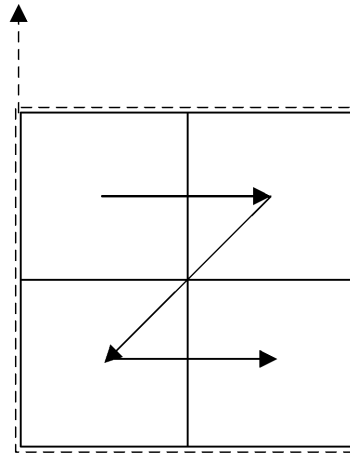


FIG.5

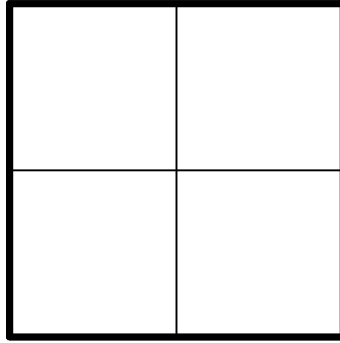
TREE BLOCK
(128x128)



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FIG.6

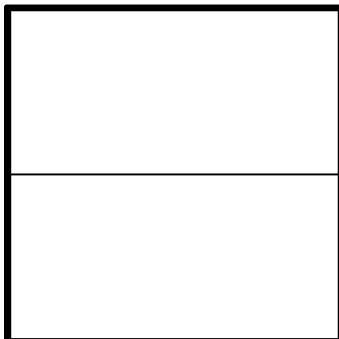
QUARTERED
HORIZONTALLY
AND VERTICALLY



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FIG.7

HALVED HORIZONTALLY



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FIG.8

HALVED VERTICALLY

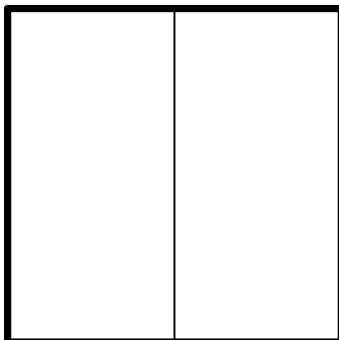


FIG.9

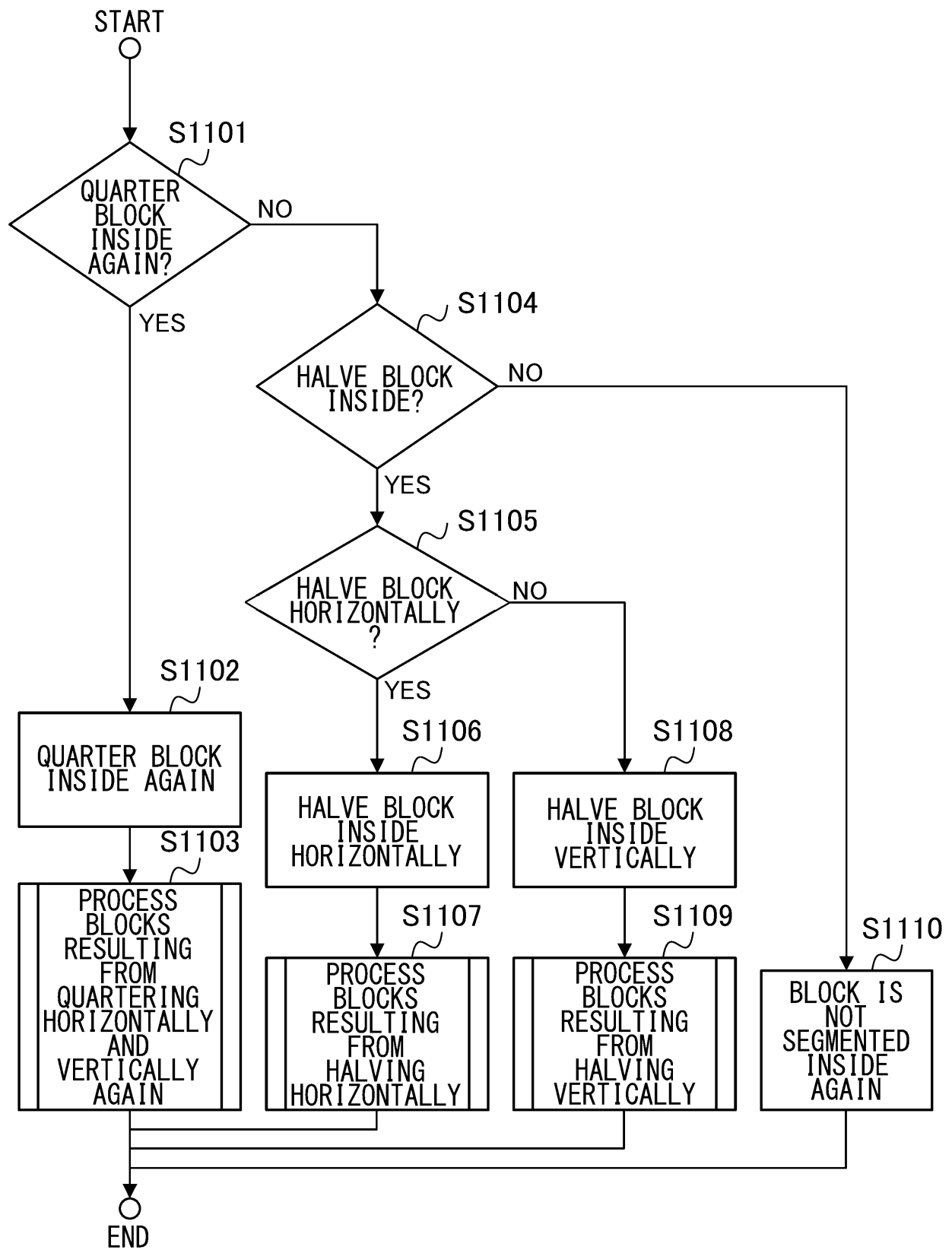


FIG.10

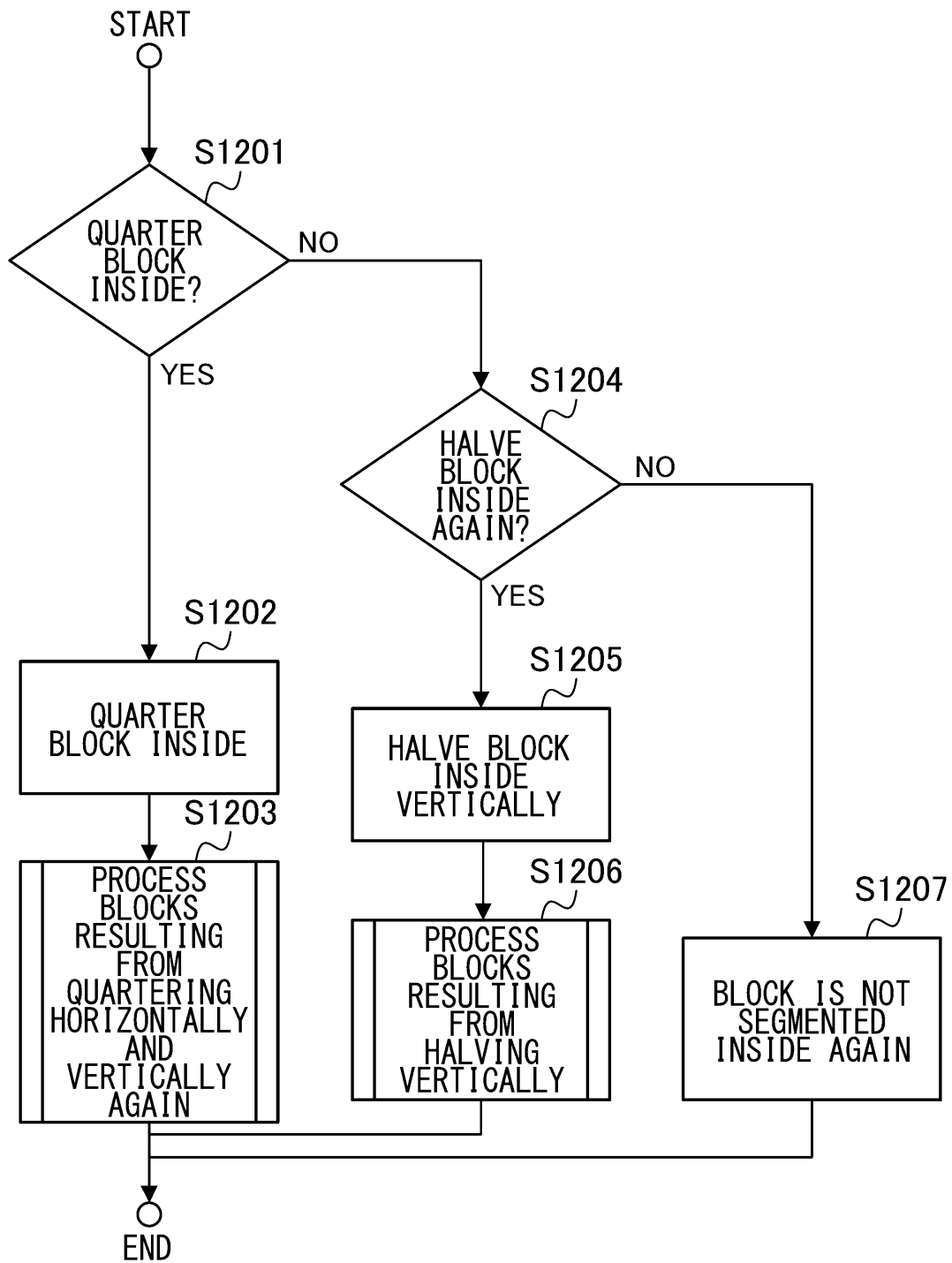


FIG.11

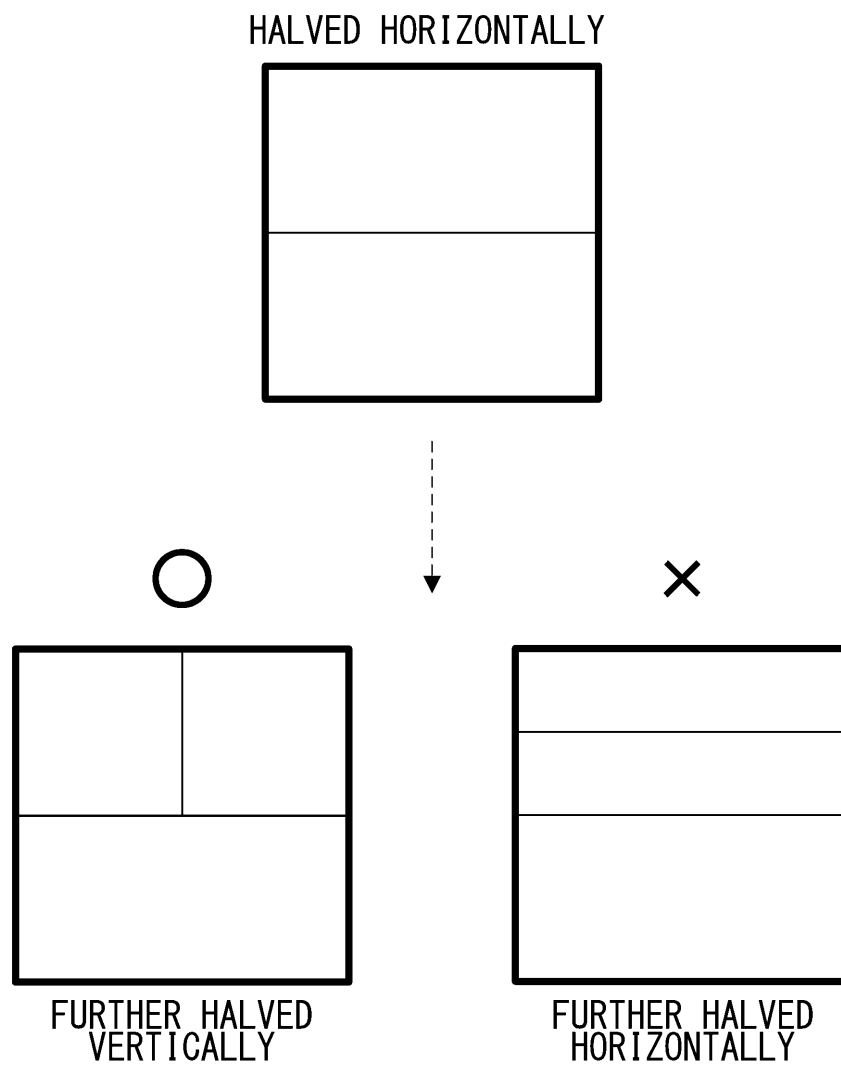


FIG.12

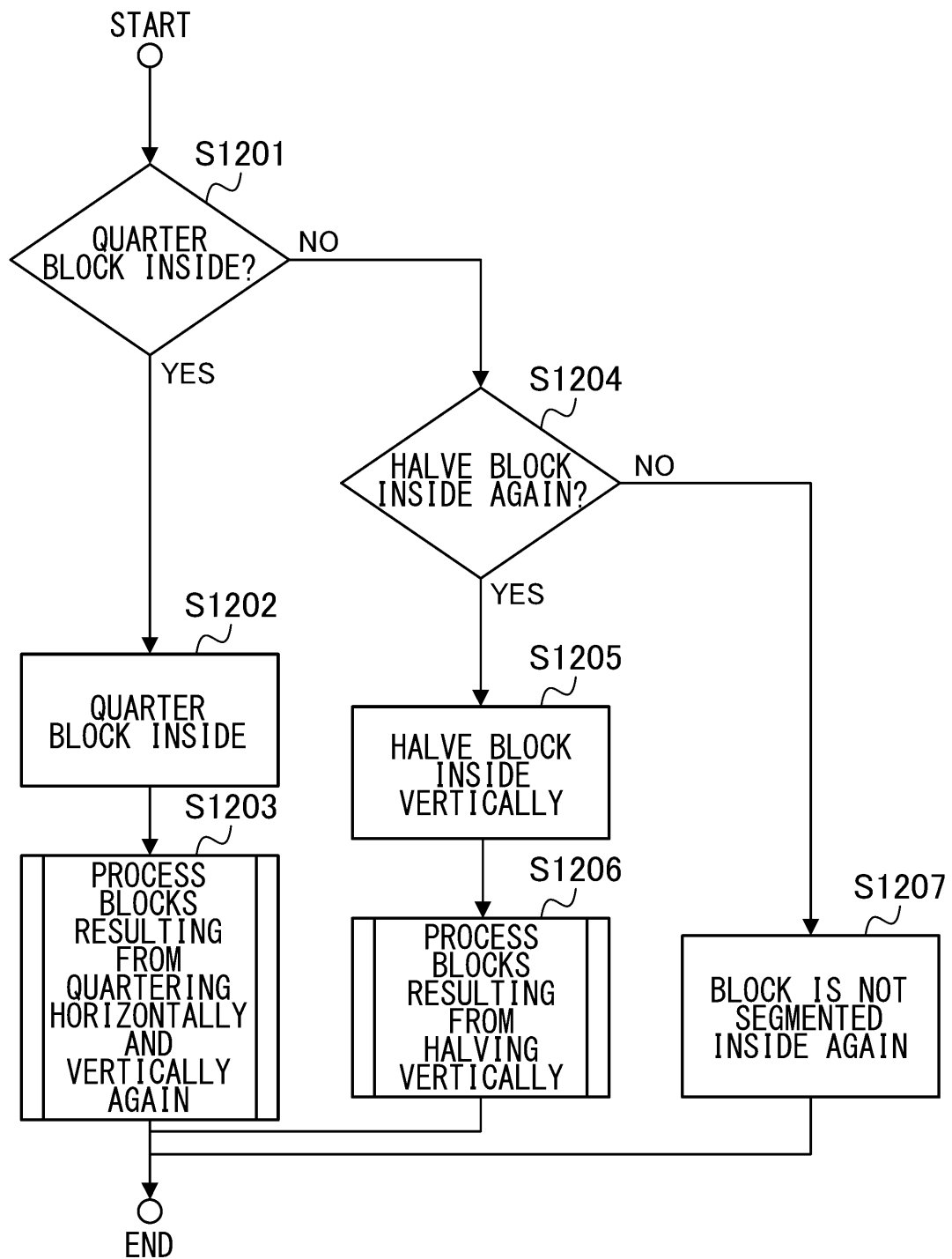


FIG.13

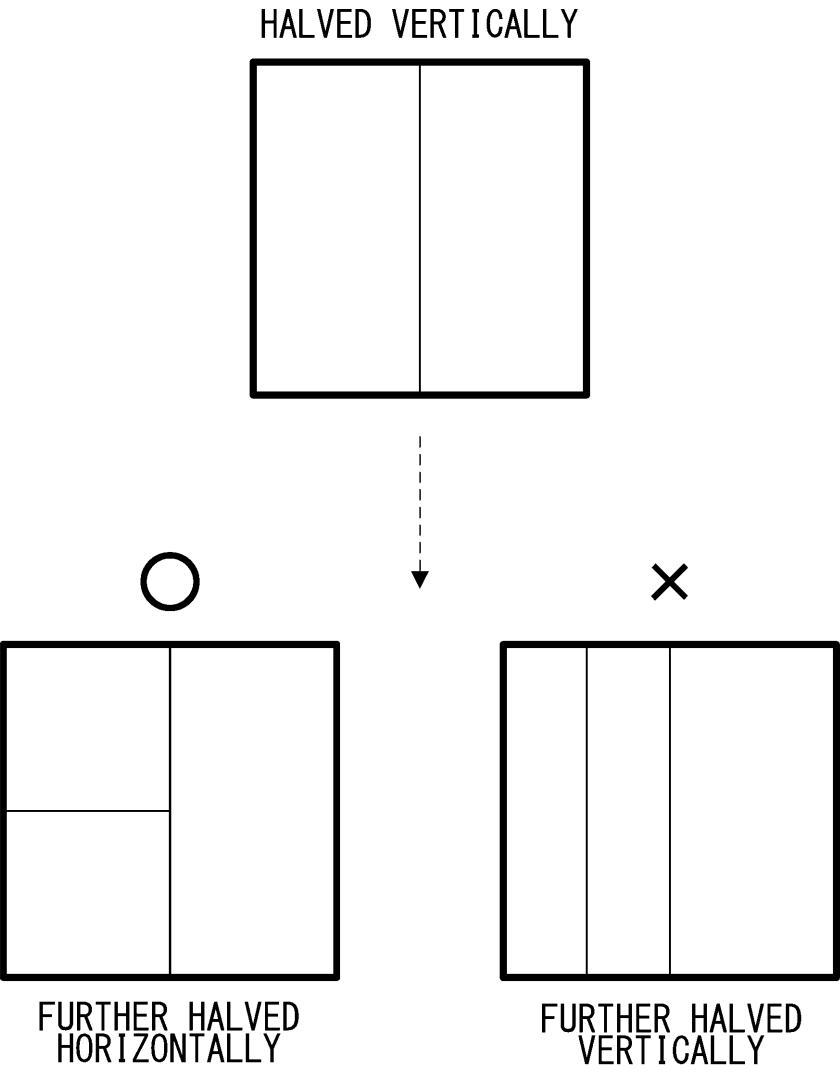


FIG.14

```
4_division_flag
If(!4_division_flag){
    2_division_flag
    if(2_division_flag && !prev_2_division_flag){
        2_division_direction
    }
}
```

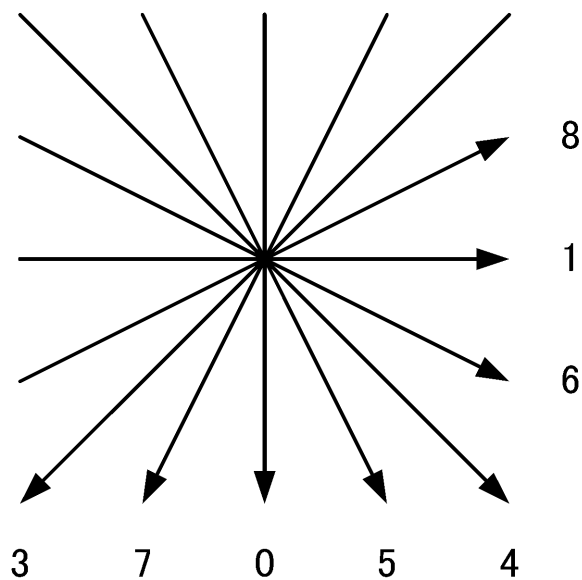


FIG.15A

MODE NUMBER	PREDICTION DIRECTION
0	vertical
1	horizontal
2	DC
3	Diagonal down left
4	Diagonal down right
5	Vertical right
6	Horizontal down
7	Vertical left
8	Horizontal up

FIG.15B

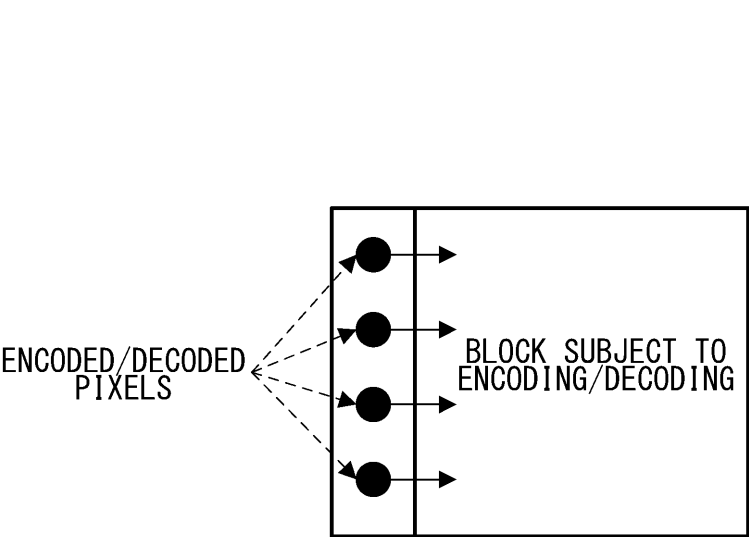


FIG.15C

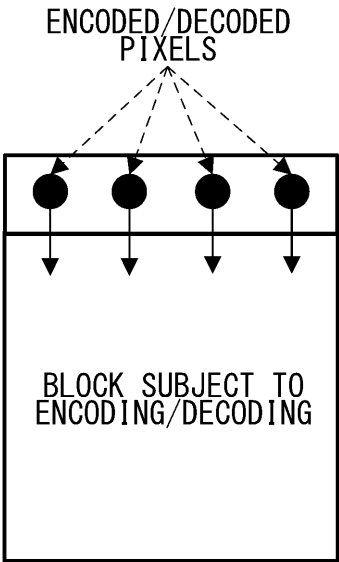


FIG.15D

FIG.16

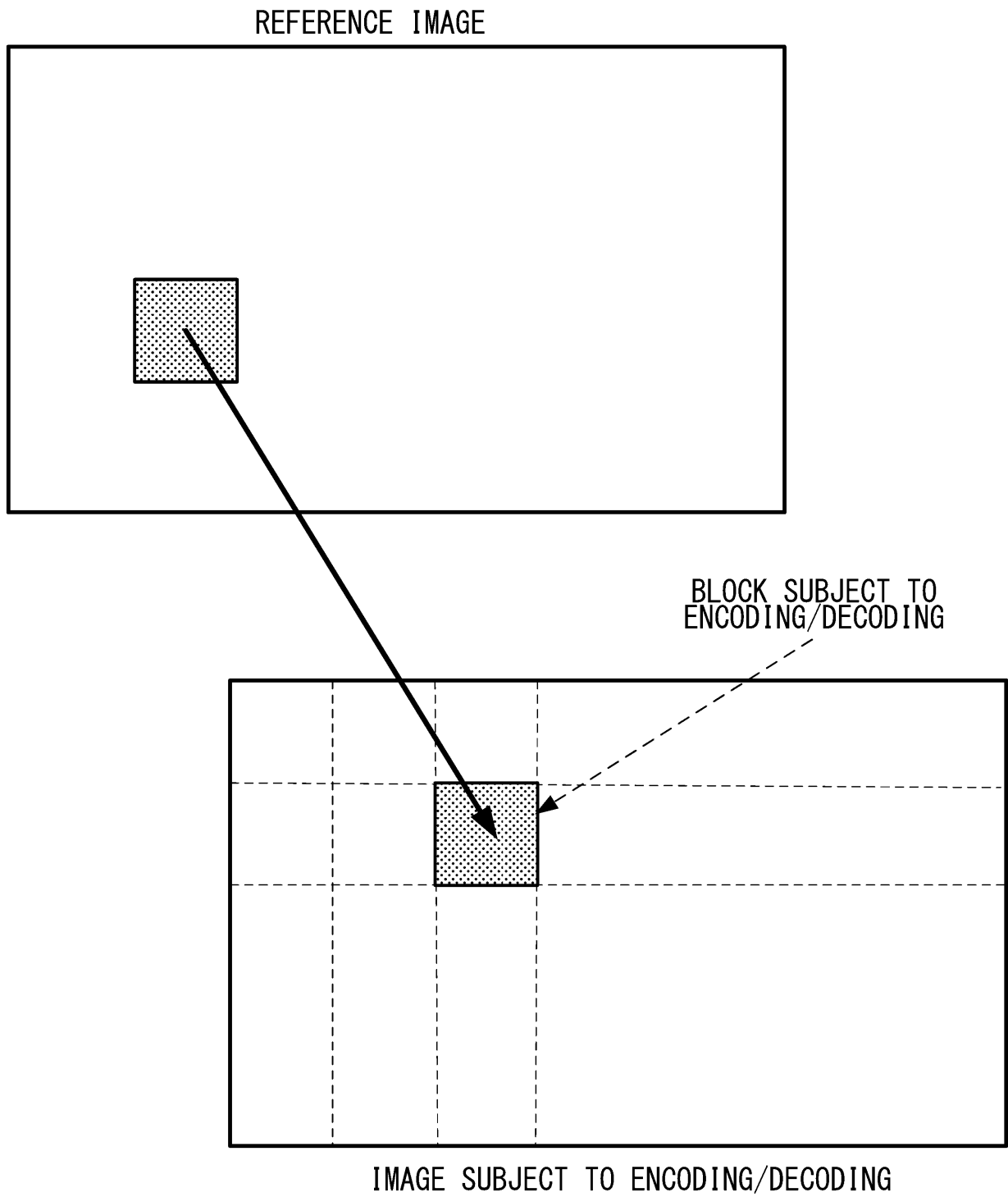


FIG.17

```
If(blocksize > 64){  
  4_division_flag  
  If(!4_division_flag){  
    2_division_flag  
    if(2_division_flag && !prev_2_division_flag){  
      2_division_direction  
    }  
  }  
}  
}
```

FIG.18

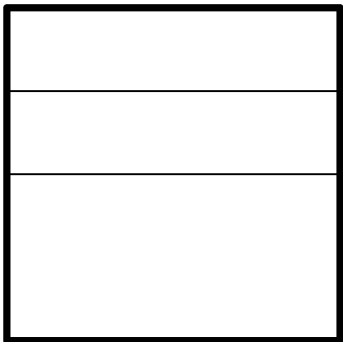
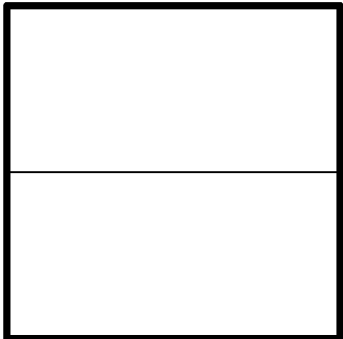
```
If(blocksize > 64){  
    4_division_flag  
    If(!4_division_flag){  
        If(blocksize > 32){  
            2_division_flag  
            if(2_division_flag && !prev_2_division_flag){  
                2_division_direction  
            }  
        }  
    }  
}
```

FIG.19

```
4_division_flag
If(!4_division_flag){
    2_division_flag
    if(2_division_flag && !(prev_2_division_flag && prev_2_division_direction)){
        2_division_direction
    }
}
```

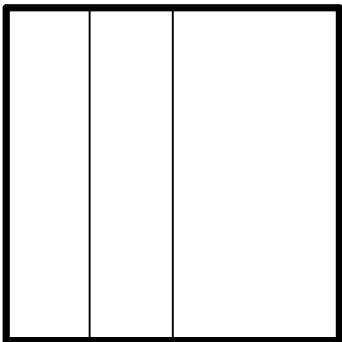
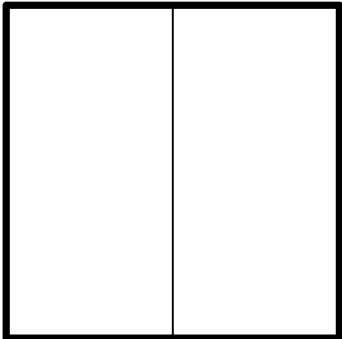
FIG.20

HALVED HORIZONTALLY



FURTHER HALVED
HORIZONTALLY

HALVED VERTICALLY



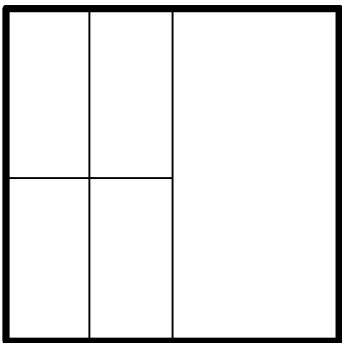
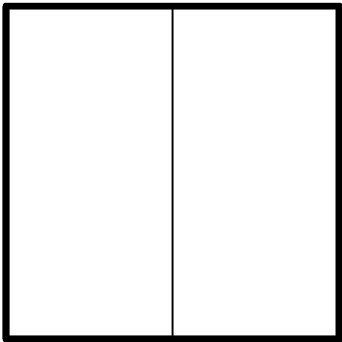
FURTHER HALVED
VERTICALLY

FIG.21

```
If(!2_division_after_4_division_flag){  
    4_division_flag  
    If(!4_division_flag){  
        2_division_flag  
        if(2_division_flag && !prev_2_division_flag){  
            2_division_direction  
        }  
    }  
}  
}
```

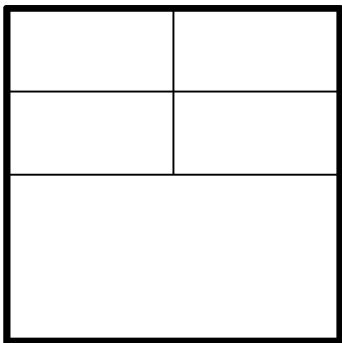
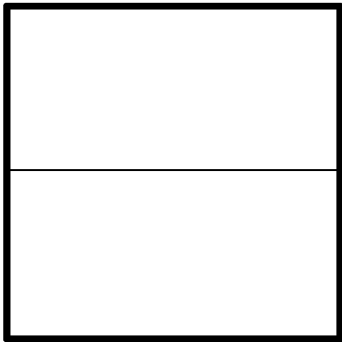
FIG.22

HALVED VERTICALLY



FURTHER QUARTERED

HALVED HORIZONTALLY



FURTHER QUARTERED