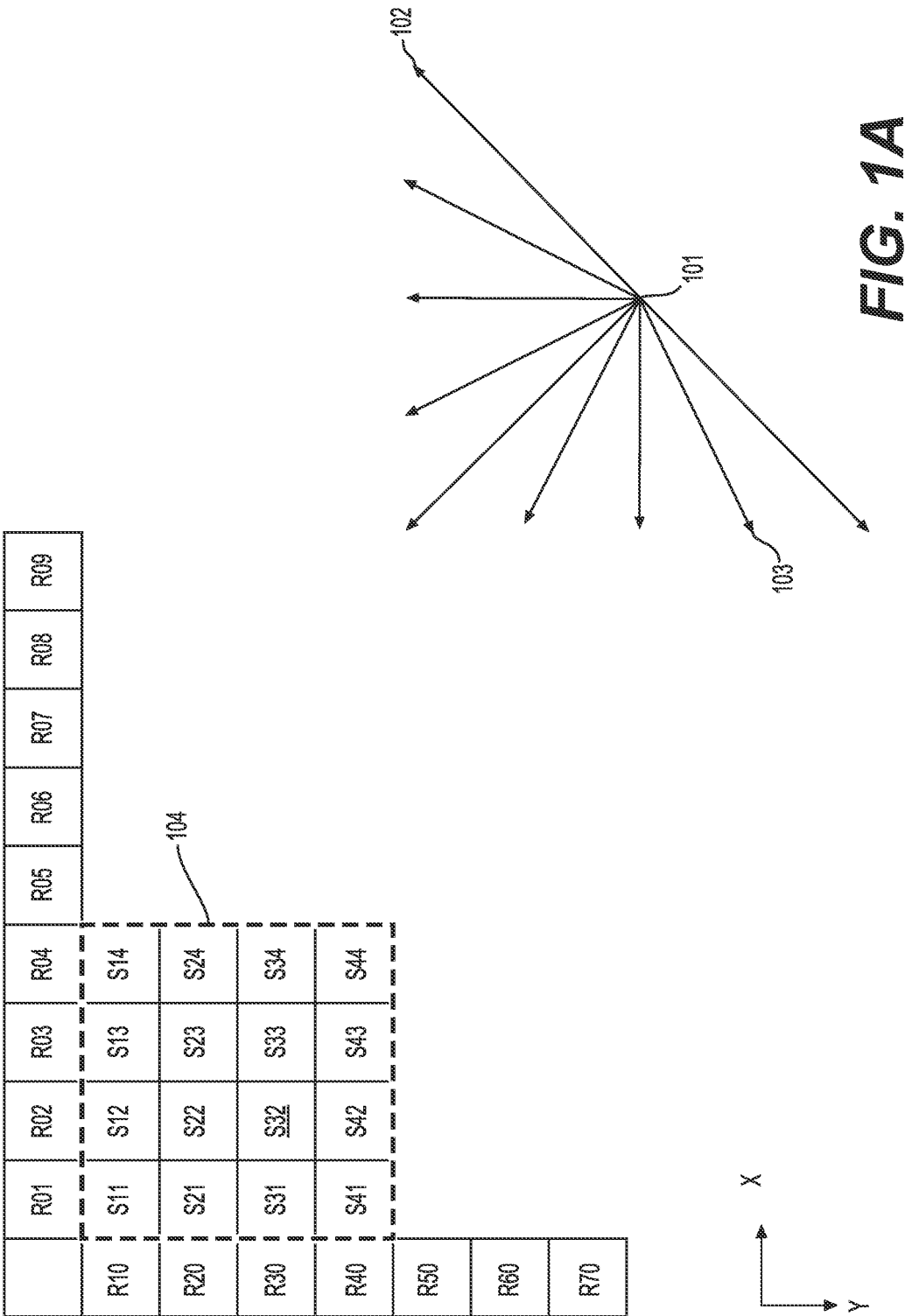




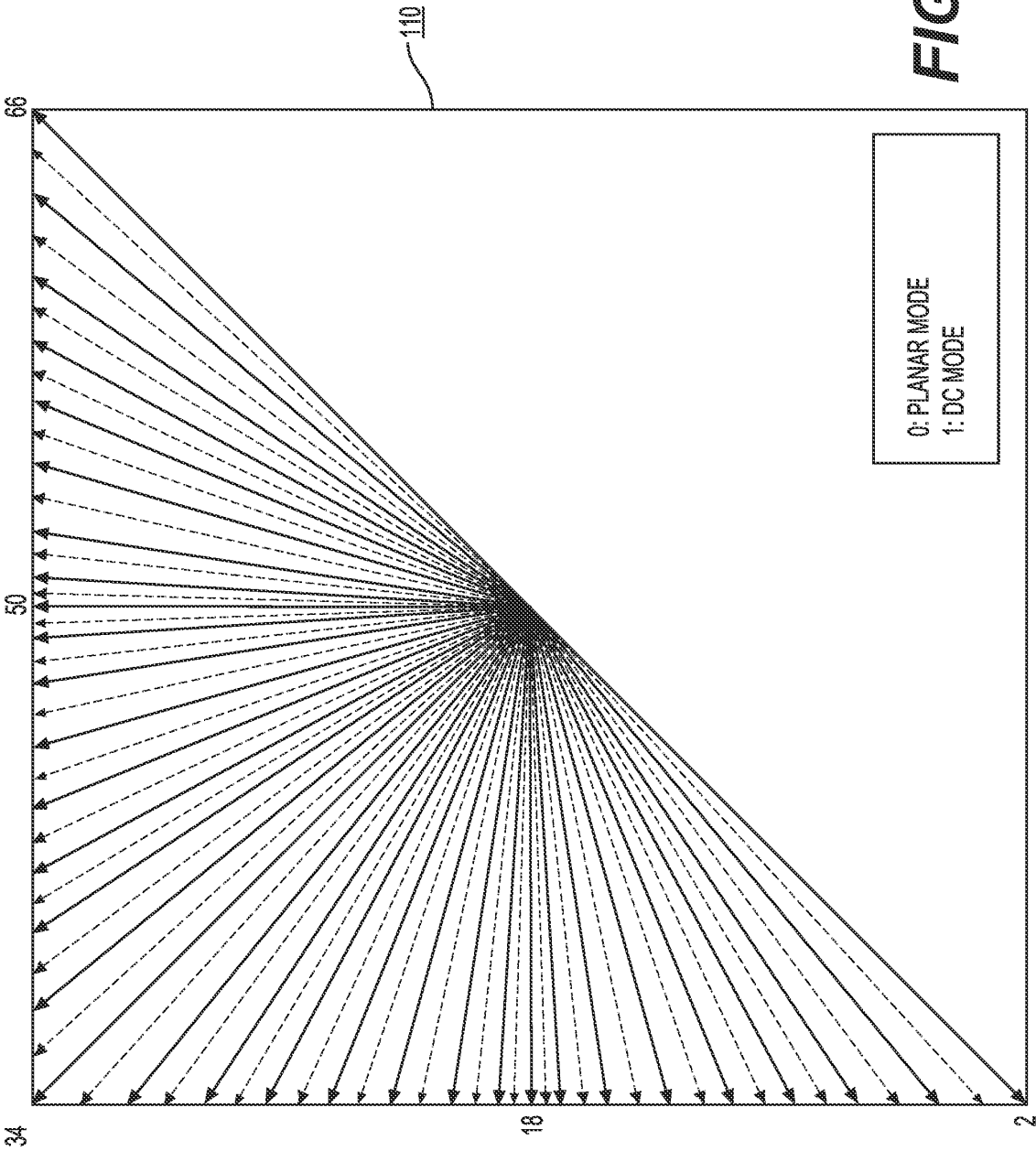


FIG. 1B

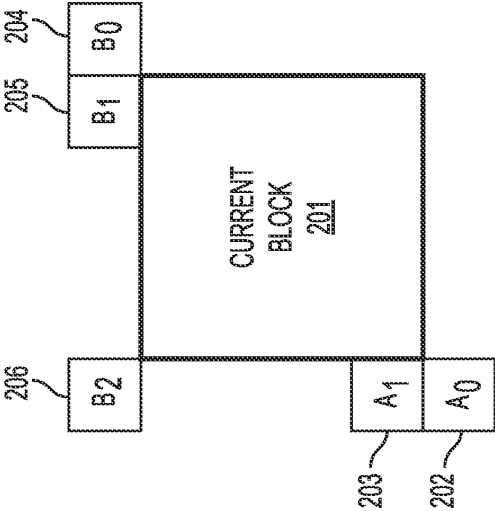


FIG. 2
(Related Art)

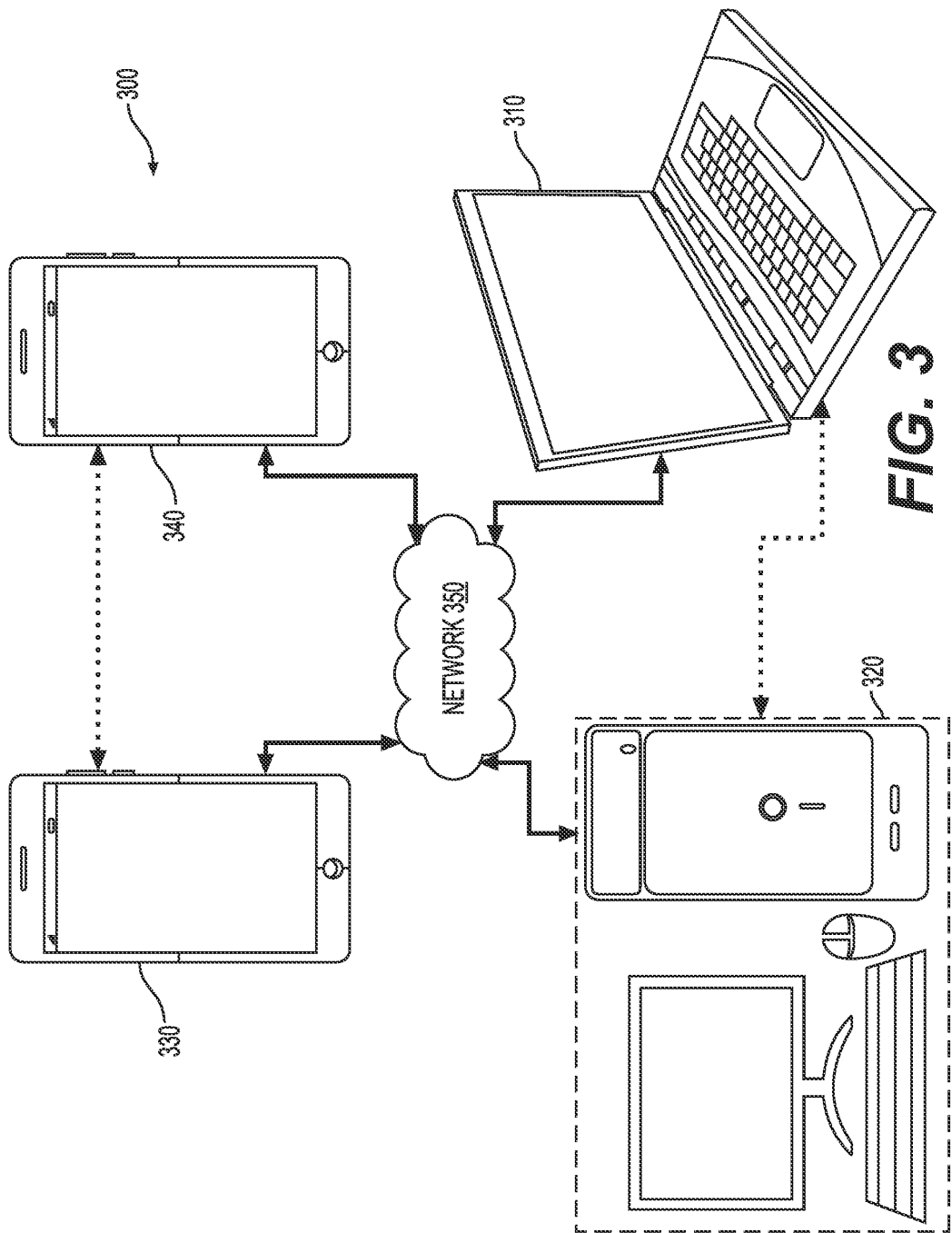


FIG. 3

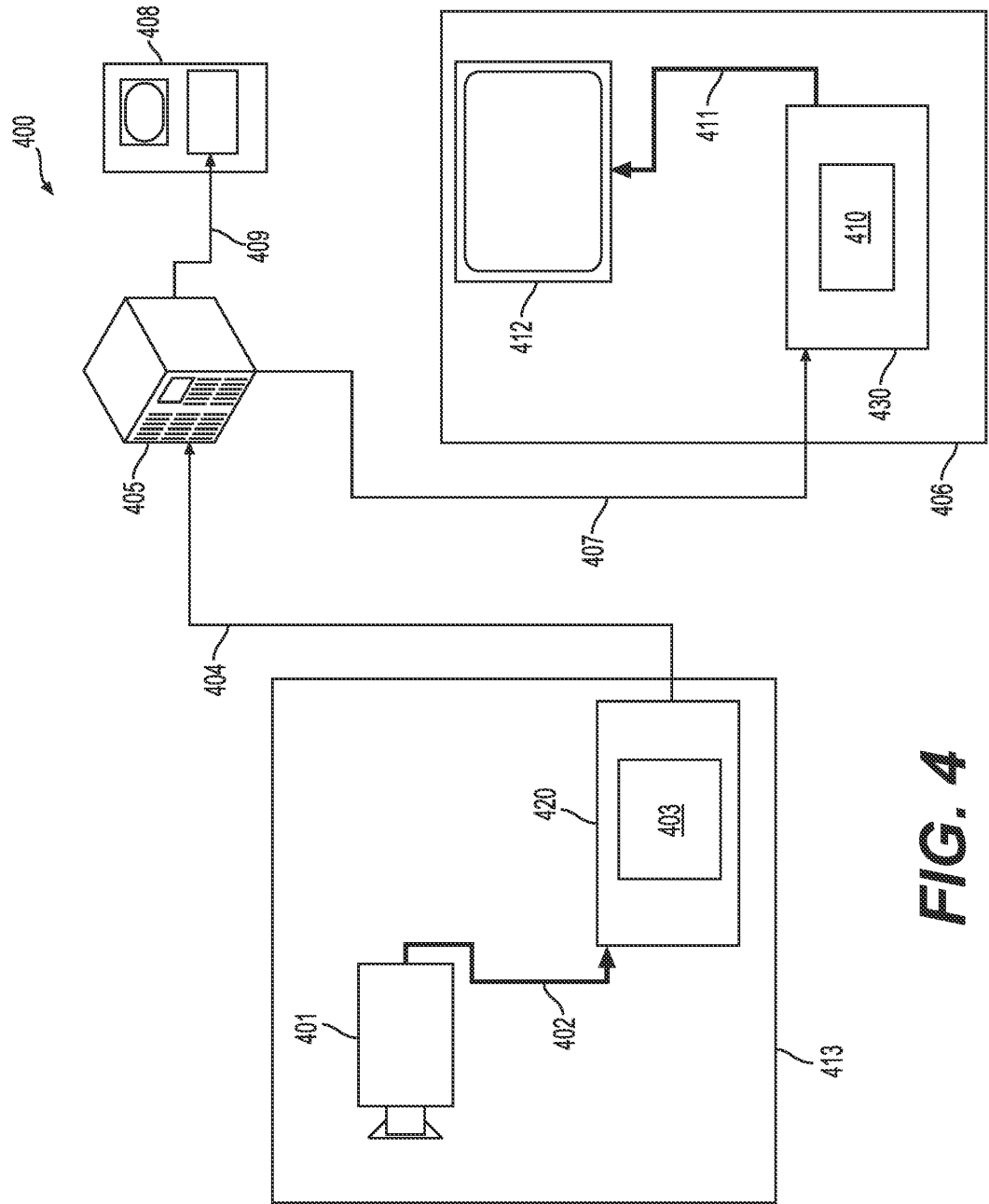


FIG. 4

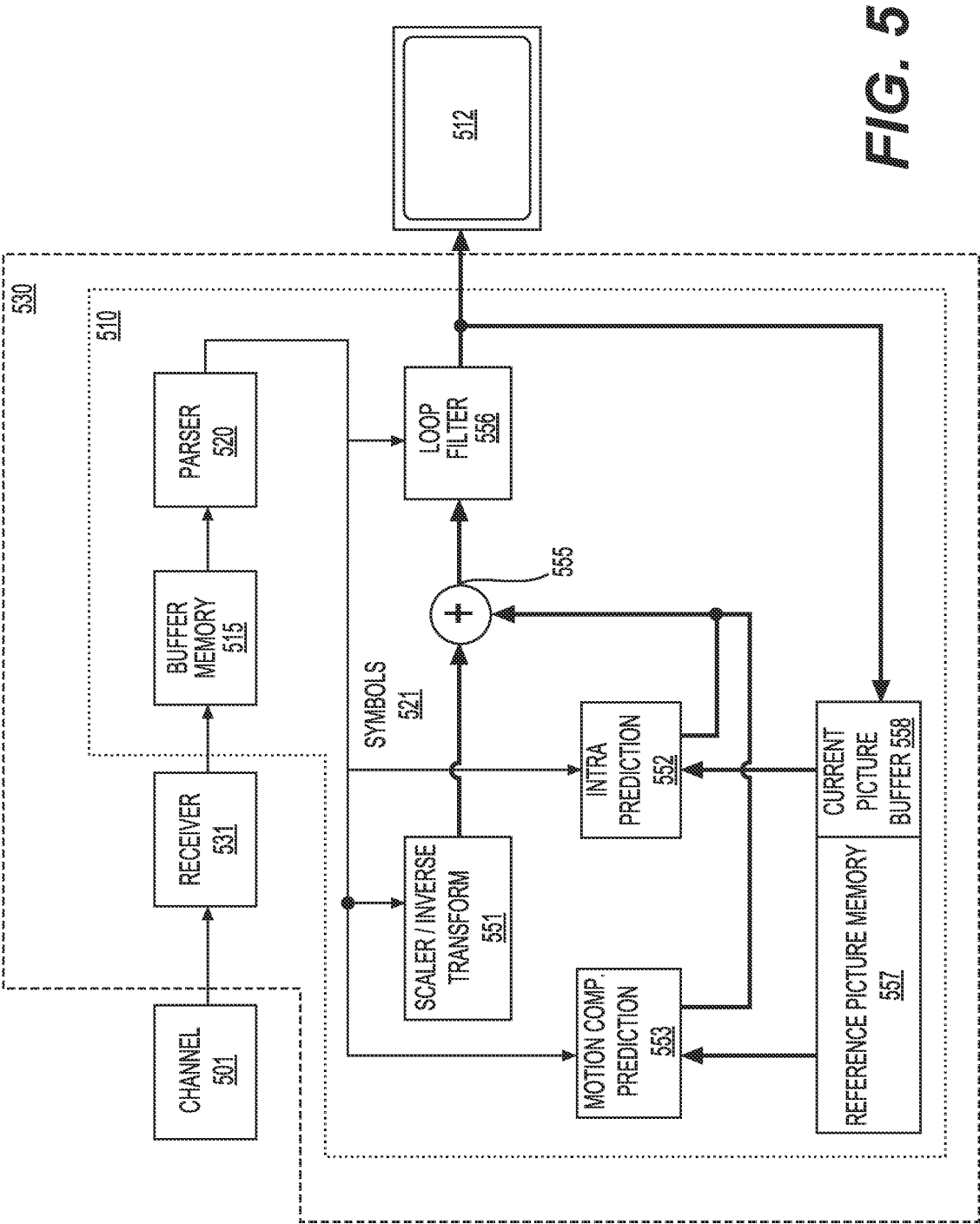


FIG. 5

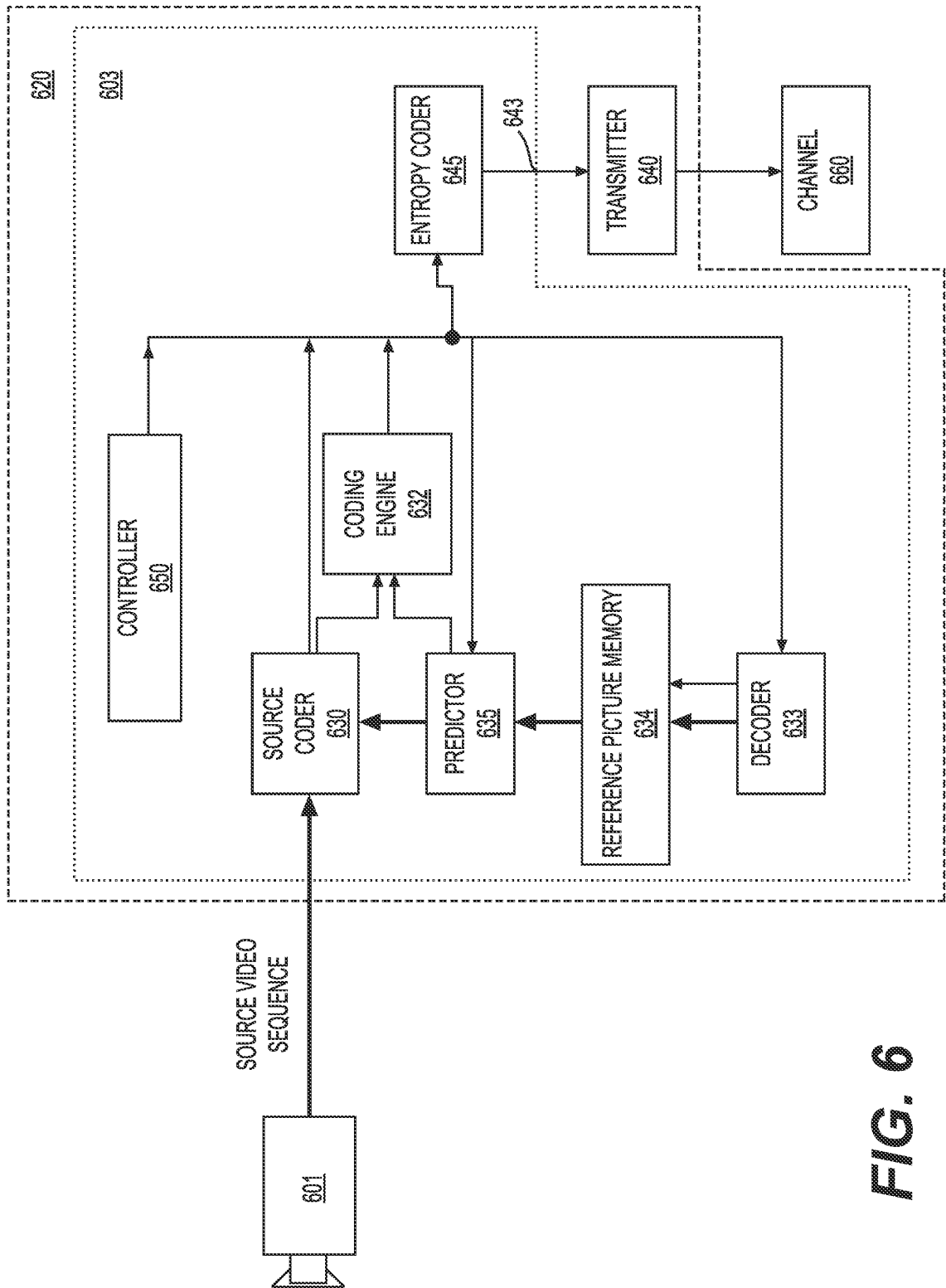


FIG. 6

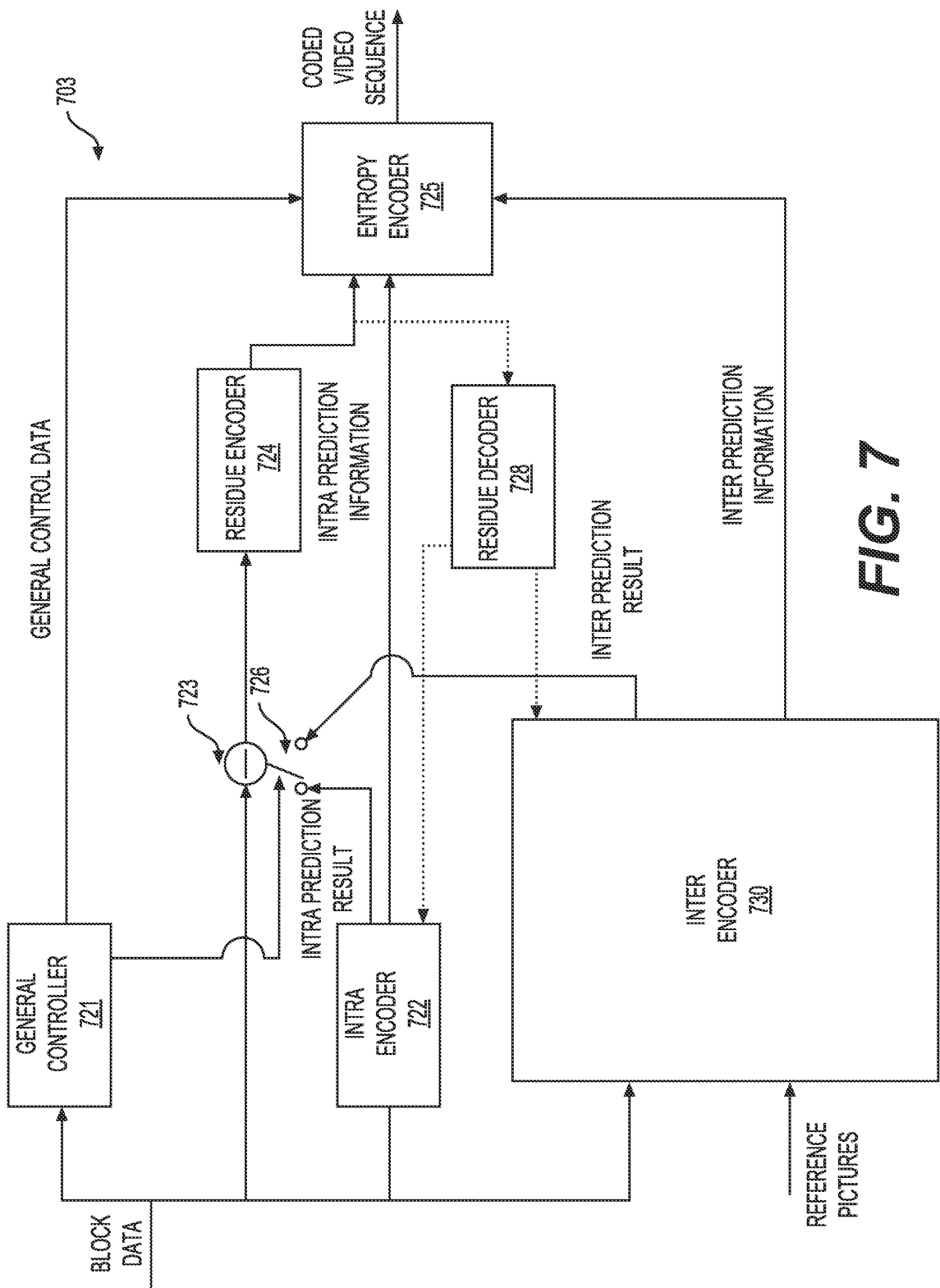


FIG. 7

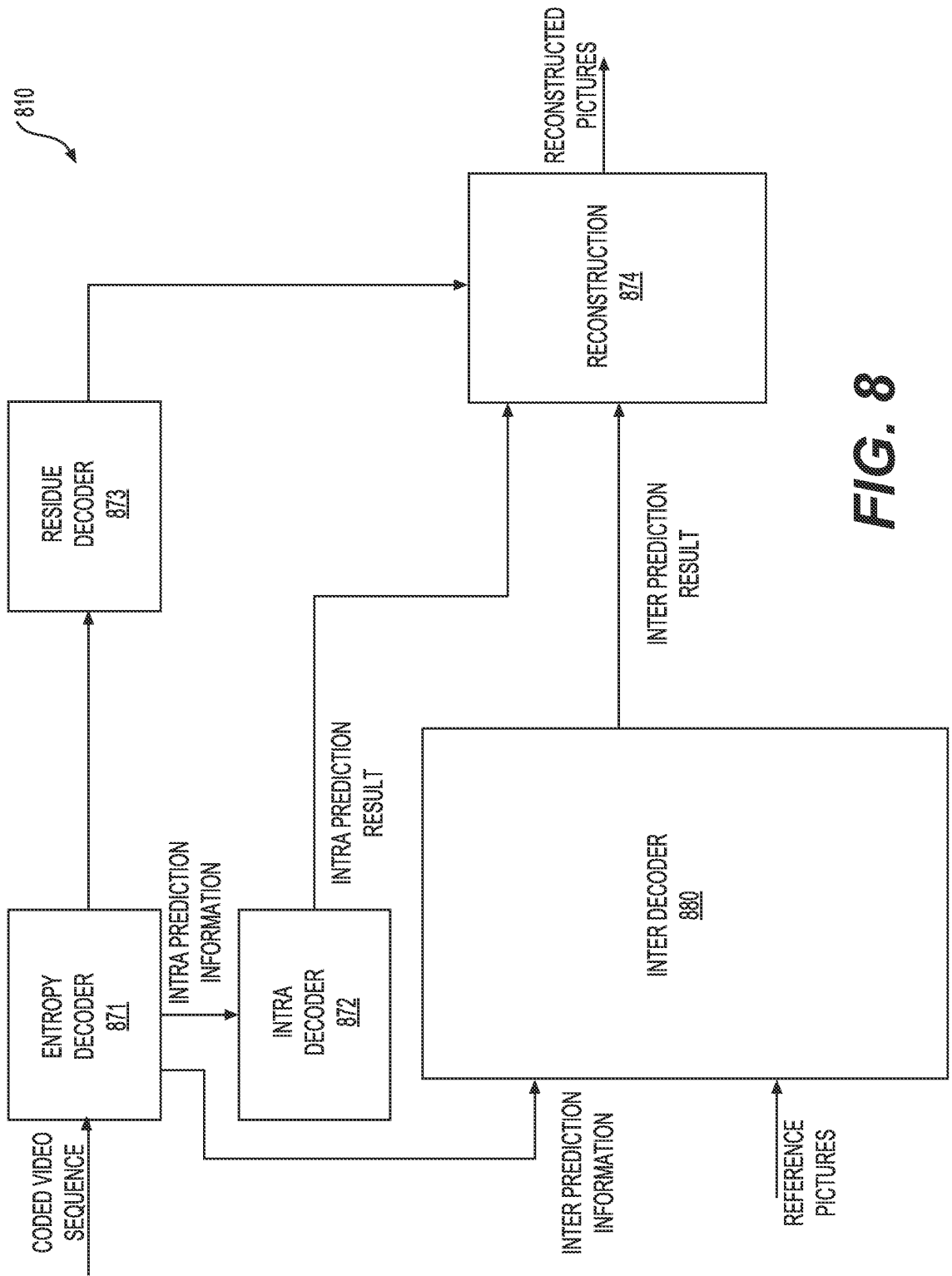
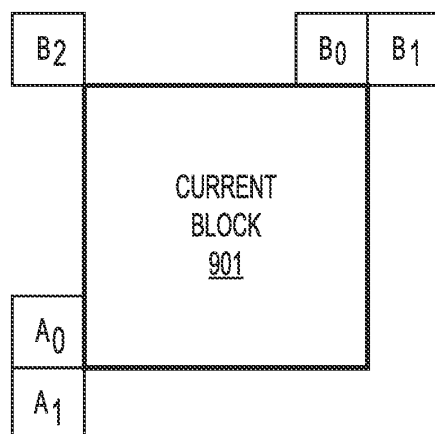
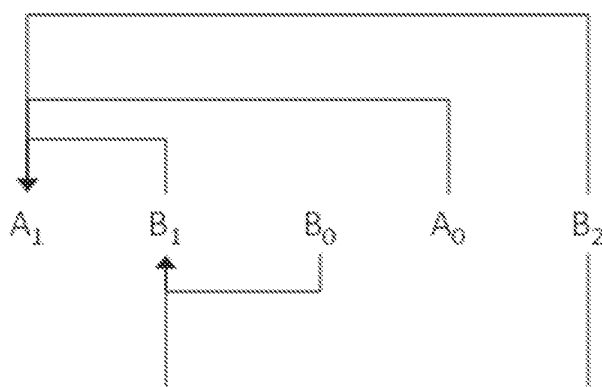
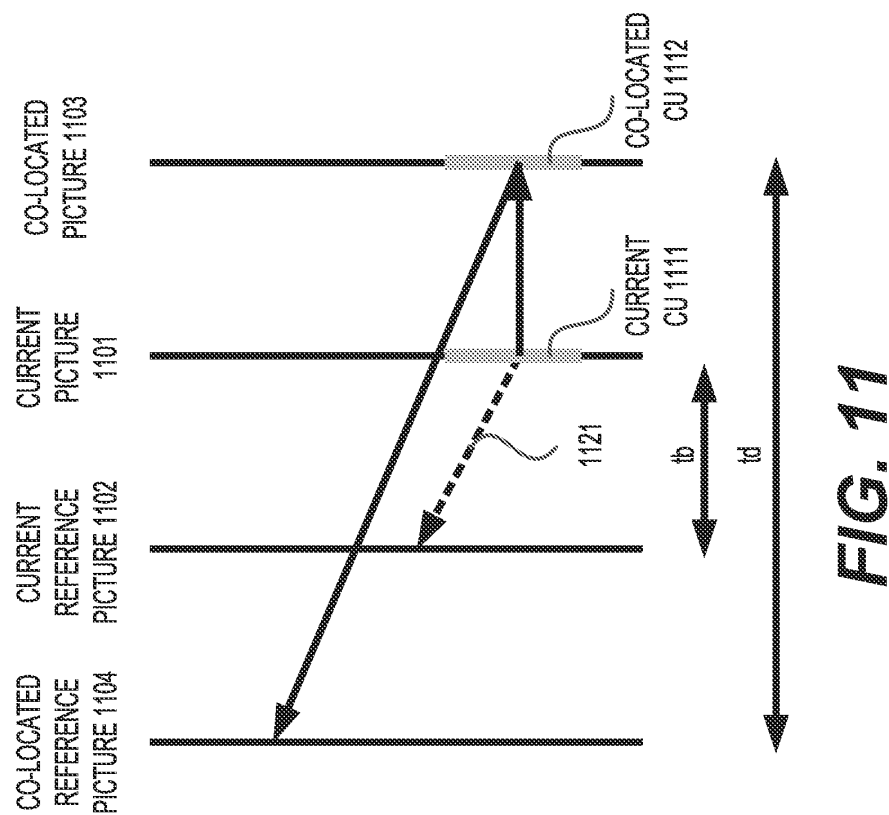


FIG. 8

**FIG. 9****FIG. 10**



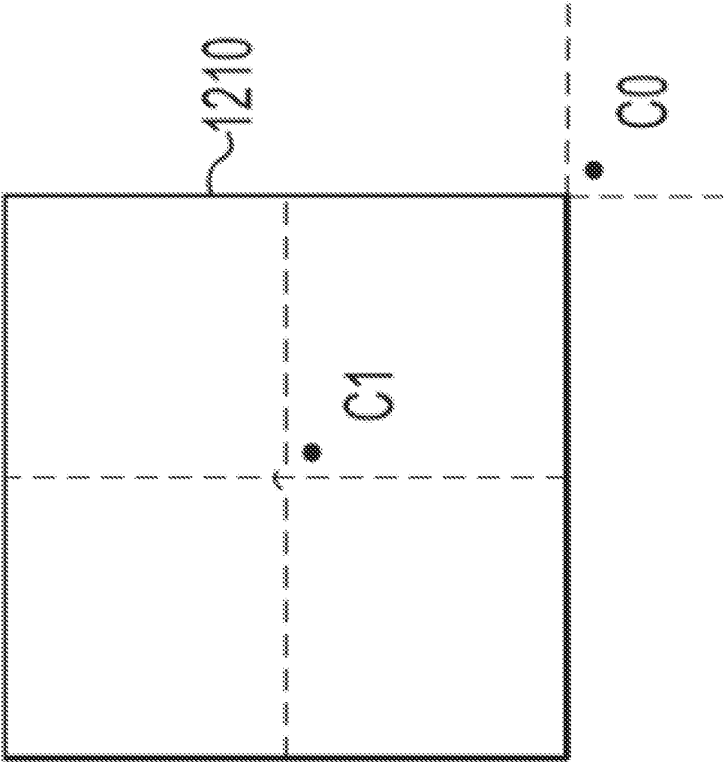


FIG. 12

	amvr_flag	amvr_precision_idx	AmvrShift		
			inter_affine_flag [x0][y0] == 1	CuPredMode[chType] [x0][y0] == MODE_IBC)	inter_affine_flag[x0][y0] && CuPredMode[chType][x0][y0] != MODE_IBC
0	0	-	2 (1/4 luma sample)	-	2 (1/4 luma sample)
1	0	0	0 (1/16 luma sample)	4 (1 luma sample)	3 (1/2 luma sample)
1	1	1	4 (1 luma sample)	6 (4 luma samples)	4 (1 luma sample)
1	2	-	-	-	6 (4 luma samples)

FIG. 13

- If $\text{inter_affine_flag}[x0][y0]$ is equal to 0, the variables $\text{MvdL0}[x0][y0][0]$, $\text{MvdL0}[x0][y0][1]$, $\text{MvdL1}[x0][y0][0]$, $\text{MvdL1}[x0][y0][1]$ are modified as follows:

$$\text{MvdL0}[x0][y0][0] = \text{MvdL0}[x0][y0][0] \ll \text{AmvrShift}$$

$$\text{MvdL0}[x0][y0][1] = \text{MvdL0}[x0][y0][1] \ll \text{AmvrShift}$$

$$\text{MvdL1}[x0][y0][0] = \text{MvdL1}[x0][y0][0] \ll \text{AmvrShift}$$

$$\text{MvdL1}[x0][y0][1] = \text{MvdL1}[x0][y0][1] \ll \text{AmvrShift}$$
- Otherwise ($\text{inter_affine_flag}[x0][y0]$ is equal to 1), the variables $\text{MvdCpL0}[x0][y0][0][0]$, $\text{MvdCpL0}[x0][y0][0][1]$, $\text{MvdCpL0}[x0][y0][1][0]$, $\text{MvdCpL0}[x0][y0][1][1]$ and $\text{MvdCpL0}[x0][y0][2][1]$ are modified as follows:

$$\text{MvdCpL0}[x0][y0][0][0] = \text{MvdCpL0}[x0][y0][0][0] \ll \text{AmvrShift}$$

$$\text{MvdCpL0}[x0][y0][0][1] = \text{MvdCpL0}[x0][y0][0][1] \ll \text{AmvrShift}$$

$$\text{MvdCpL0}[x0][y0][1][0] = \text{MvdCpL0}[x0][y0][1][0] \ll \text{AmvrShift}$$

$$\text{MvdCpL0}[x0][y0][1][1] = \text{MvdCpL0}[x0][y0][1][1] \ll \text{AmvrShift}$$

$$\text{MvdCpL0}[x0][y0][2][0] = \text{MvdCpL0}[x0][y0][2][0] \ll \text{AmvrShift}$$

$$\text{MvdCpL0}[x0][y0][2][1] = \text{MvdCpL0}[x0][y0][2][1] \ll \text{AmvrShift}$$

FIG. 14A

- If `inter_affine_flag[x0][y0]` is equal to 0, the variables `MvdLO[x0][y0][0]`, `MvdLO[x0][y0][1]`, `MvdL1[x0][y0][0]`, `MvdL1[x0][y0][1]` are modified as follows:

$$\text{MvdLO}[x0][y0][0] = \text{MvdLO}[x0][y0][0] \ll \text{AmvrShift}$$

$$\text{MvdLO}[x0][y0][1] = \text{MvdLO}[x0][y0][1] \ll \text{AmvrShift}$$

$$\text{MvdL1}[x0][y0][0] = \text{MvdL1}[x0][y0][0] \ll \text{AmvrShift}$$

$$\text{MvdL1}[x0][y0][1] = \text{MvdL1}[x0][y0][1] \ll \text{AmvrShift}$$
- Otherwise (`inter_affine_flag[x0][y0]` is equal to 1), the variables `MvdCpLO[x0][y0][0][0]`, `MvdCpLO[x0][y0][0][1]`, `MvdCpLO[x0][y0][1][0]`, `MvdCpLO[x0][y0][1][1]` and `MvdCpL1[x0][y0][2][1]` are modified as follows:

$$\text{MvdCpLO}[x0][y0][0][0] = \text{MvdCpLO}[x0][y0][0][0] \ll \text{AmvrShift}$$

$$\text{MvdCpL1}[x0][y0][0][1] = \text{MvdCpL1}[x0][y0][0][1] \ll \text{AmvrShift}$$

$$\text{MvdCpLO}[x0][y0][1][0] = \text{MvdCpLO}[x0][y0][1][0] \ll \text{AmvrShift}$$

$$\text{MvdCpL1}[x0][y0][1][1] = \text{MvdCpL1}[x0][y0][1][1] \ll \text{AmvrShift}$$

$$\text{MvdCpLO}[x0][y0][2][0] = \text{MvdCpLO}[x0][y0][2][0] \ll \text{AmvrShift}$$

$$\text{MvdCpL1}[x0][y0][2][1] = \text{MvdCpL1}[x0][y0][2][1] \ll \text{AmvrShift}$$

FIG. 14B

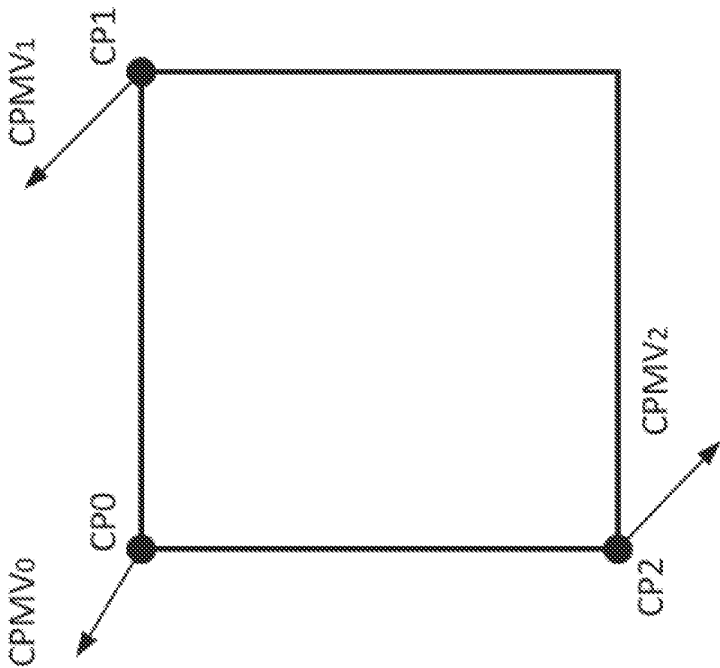


FIG. 15A

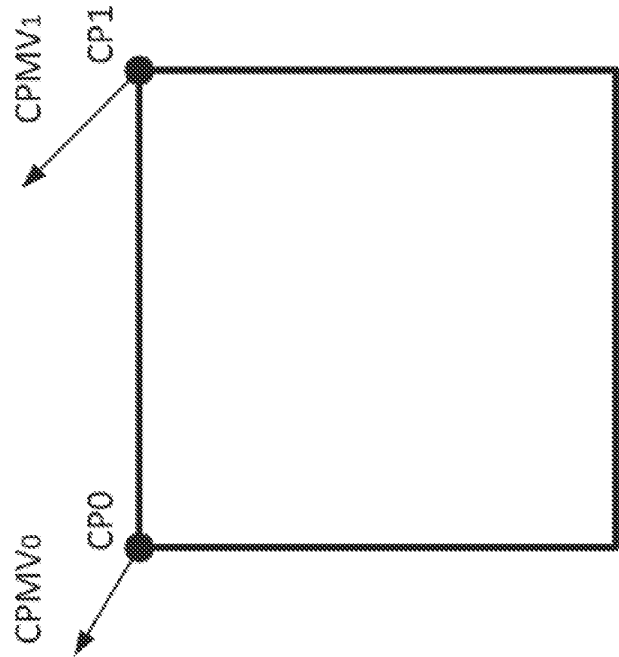


FIG. 15B

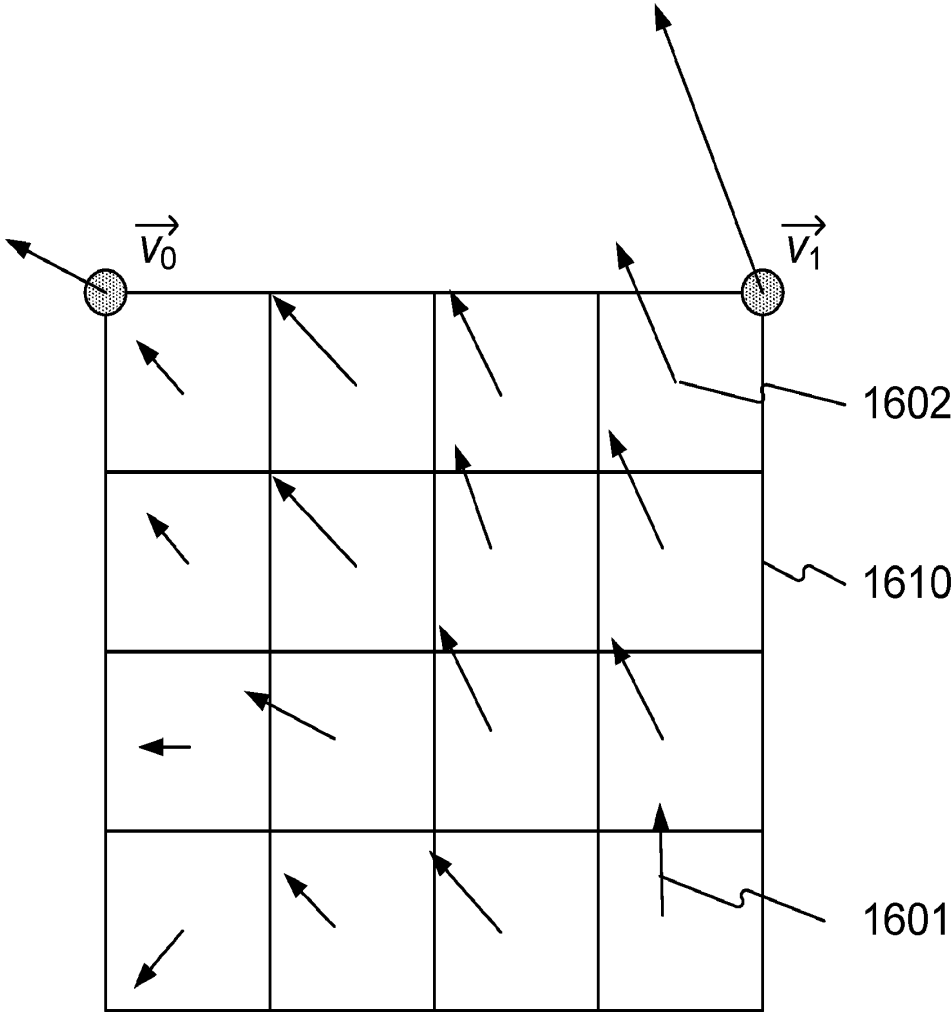


FIG. 16

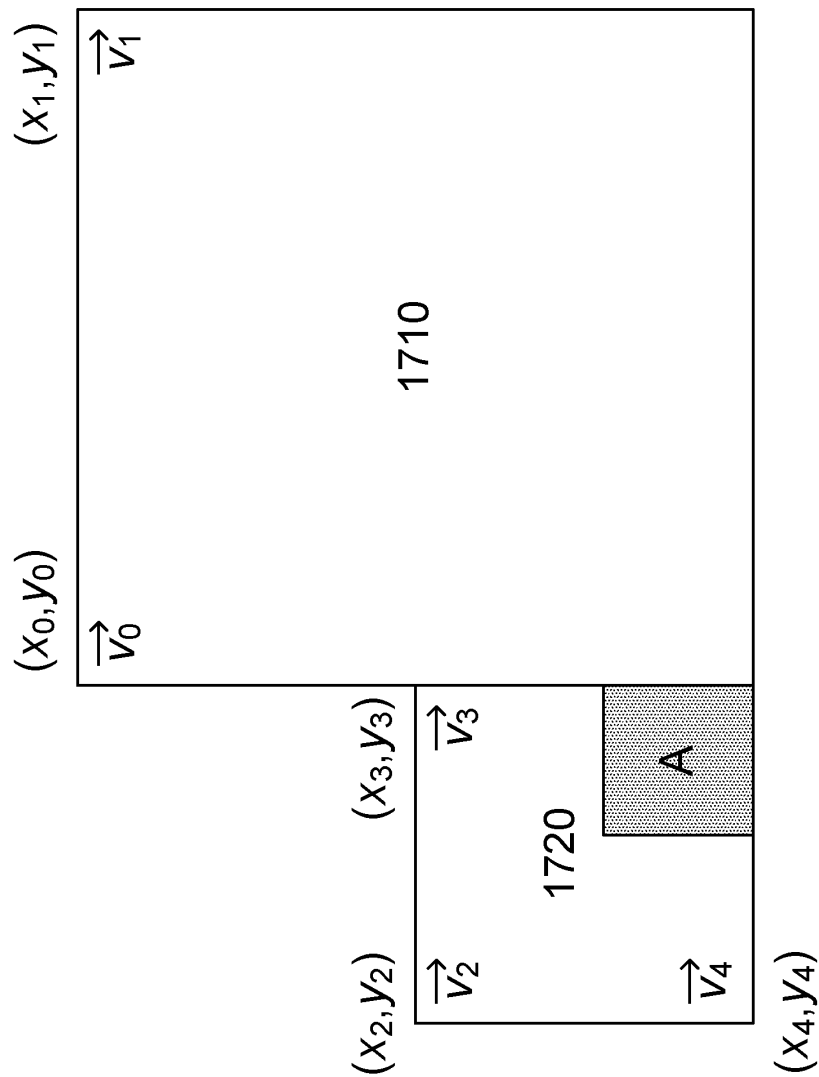


FIG. 17

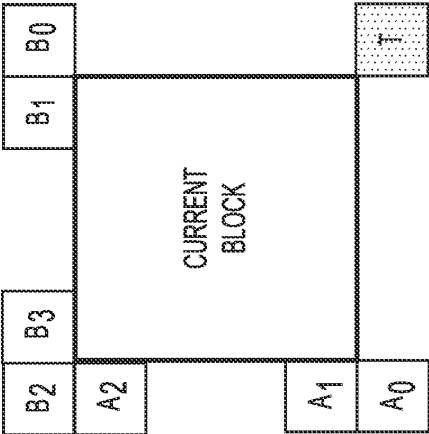


FIG. 18

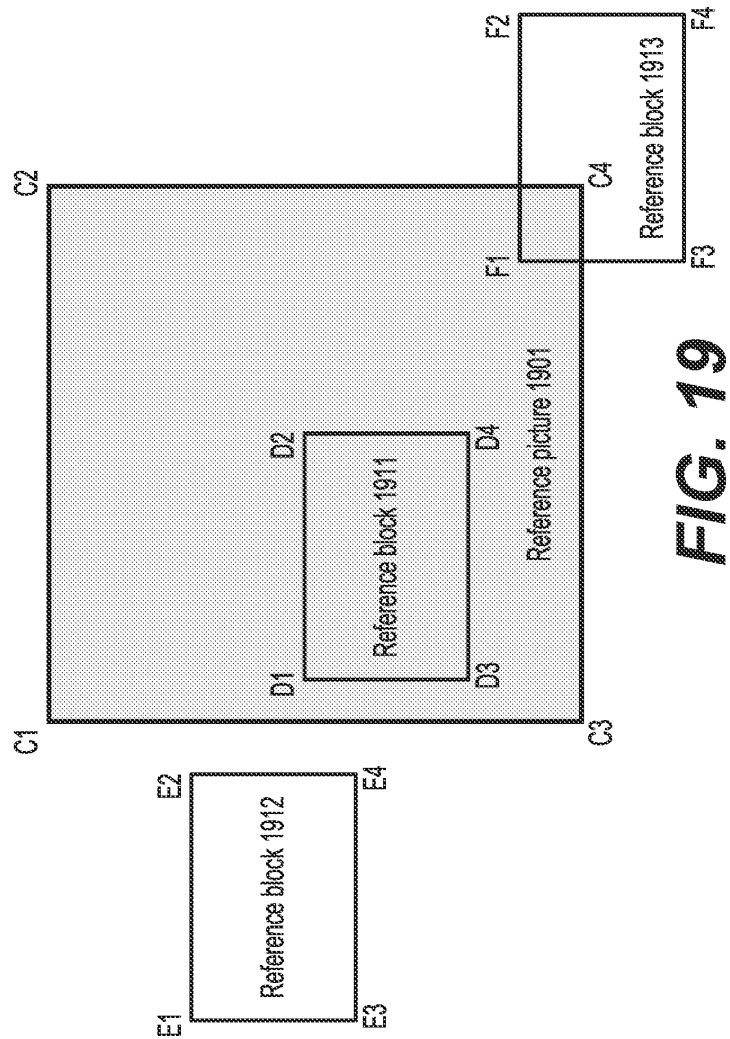
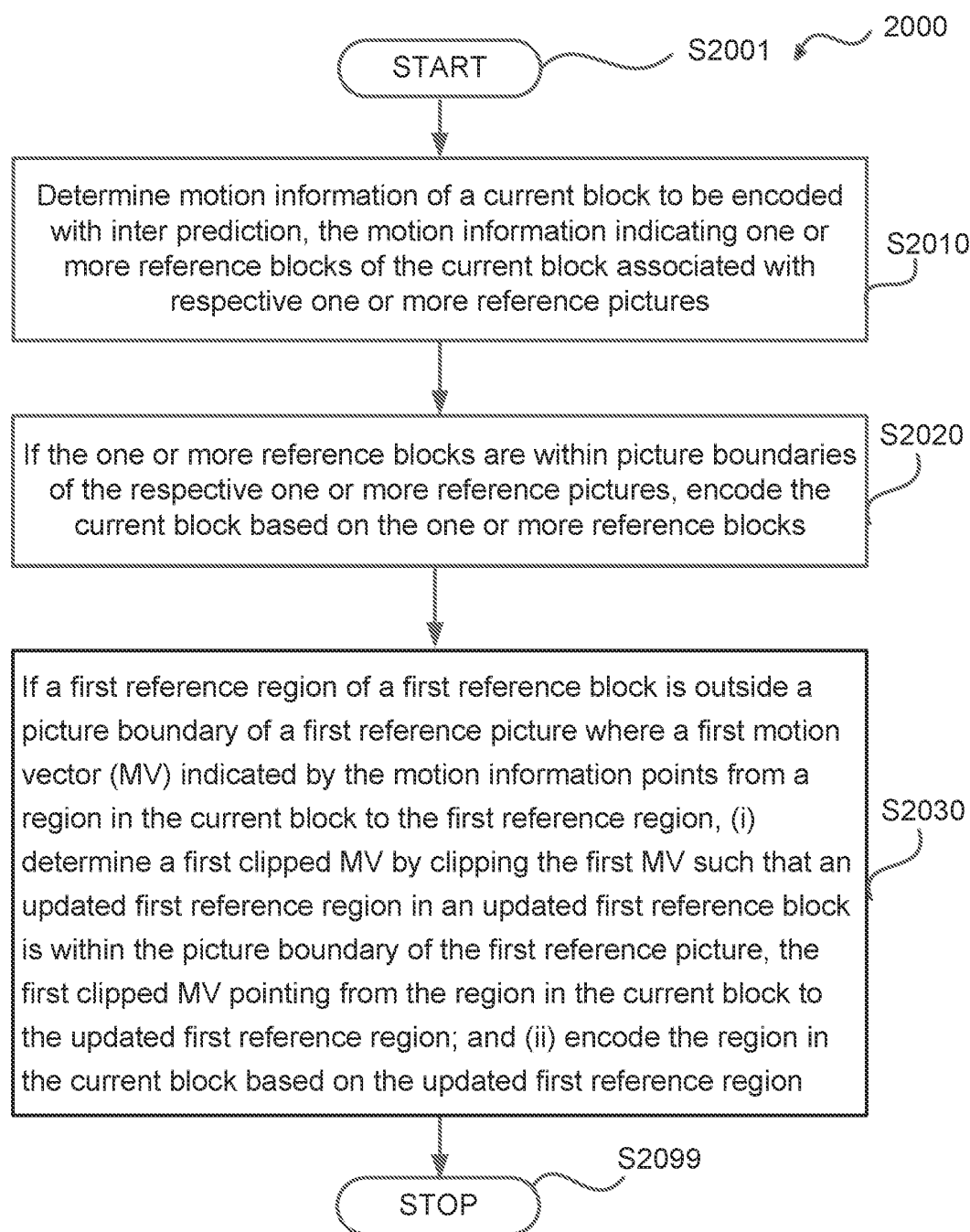
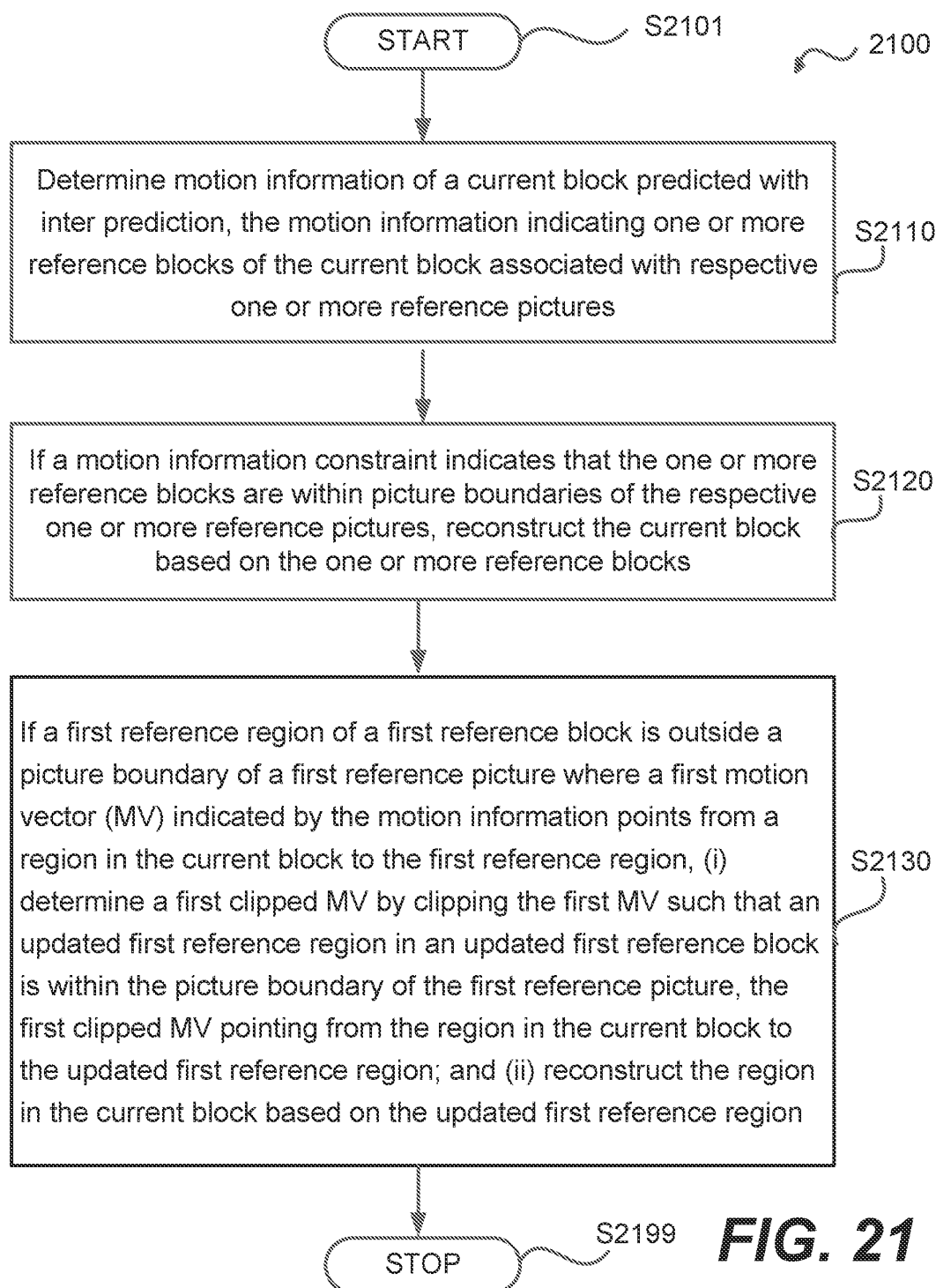


FIG. 19

**FIG. 20**



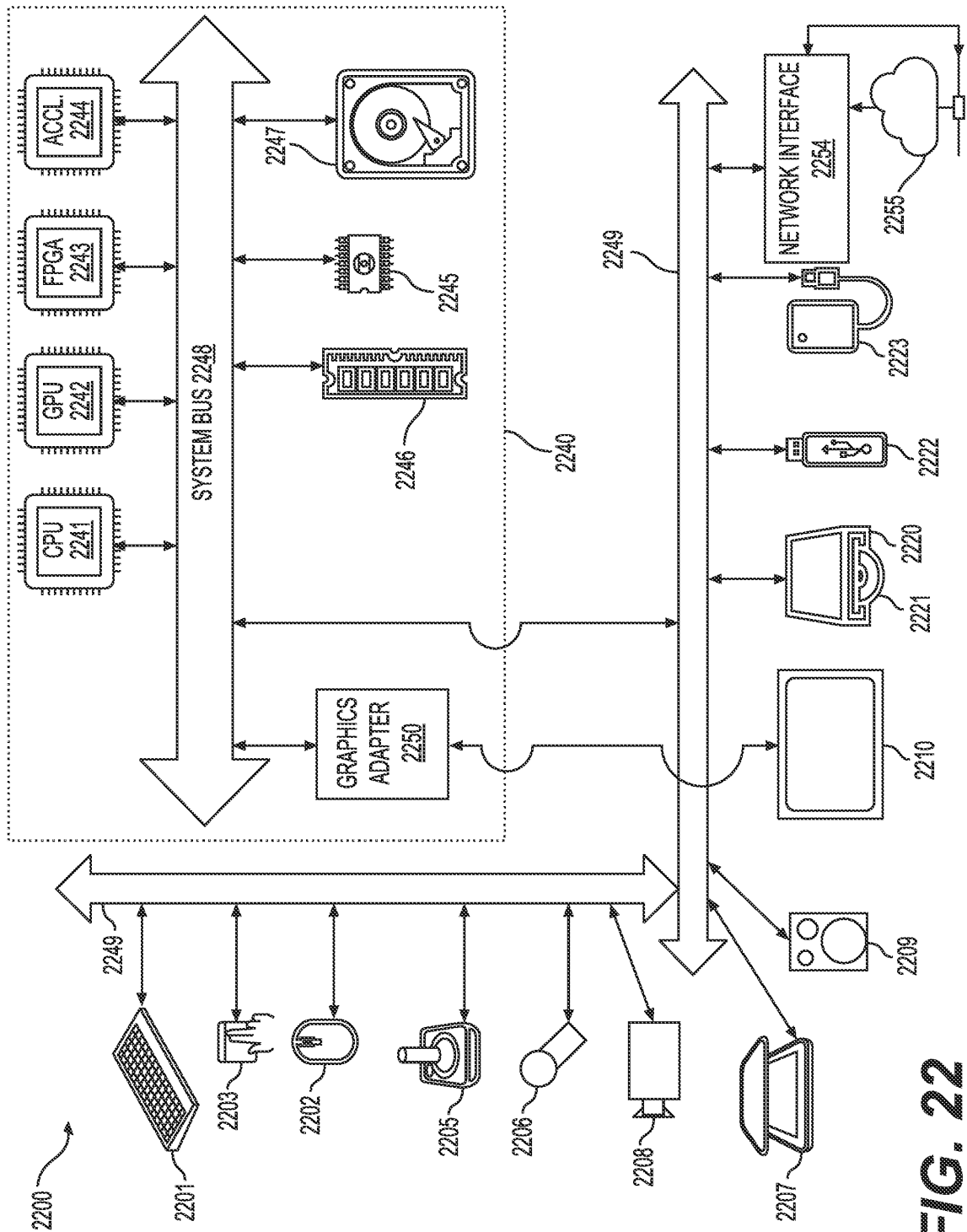


FIG. 22