

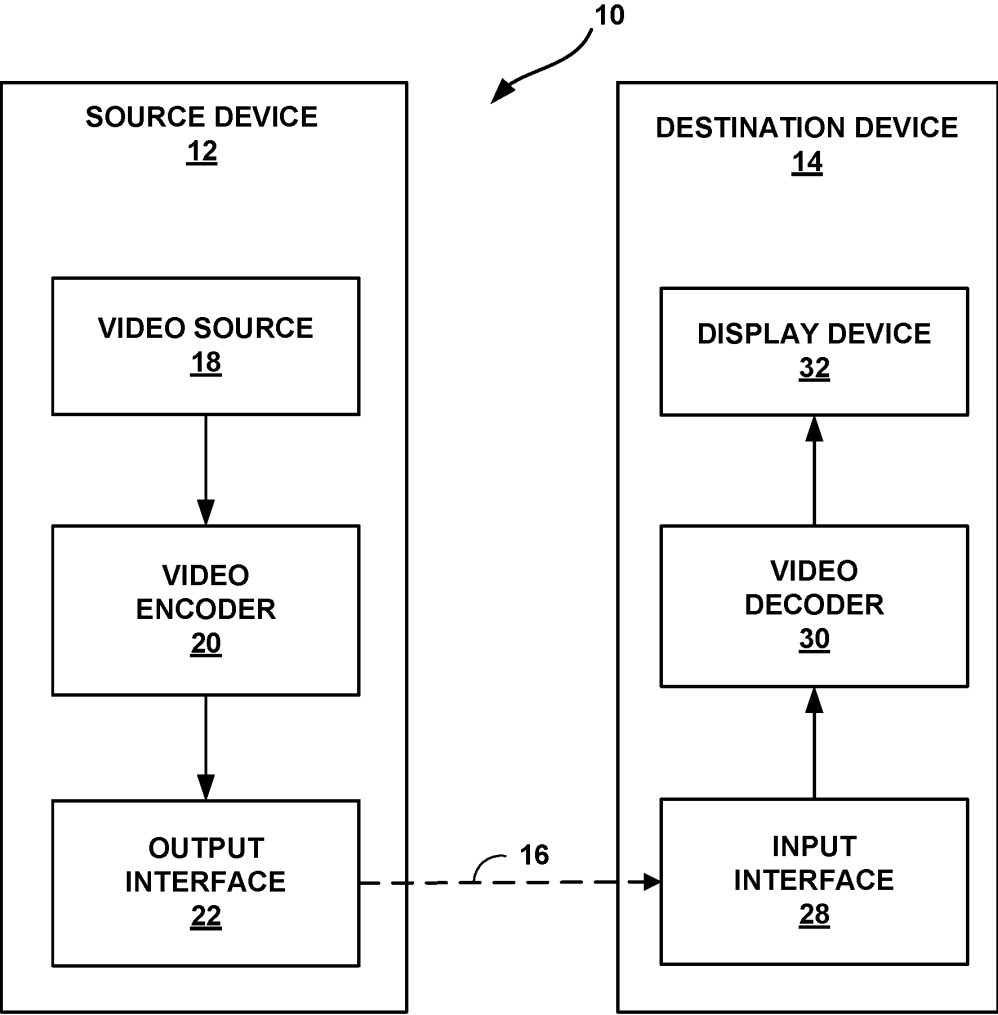
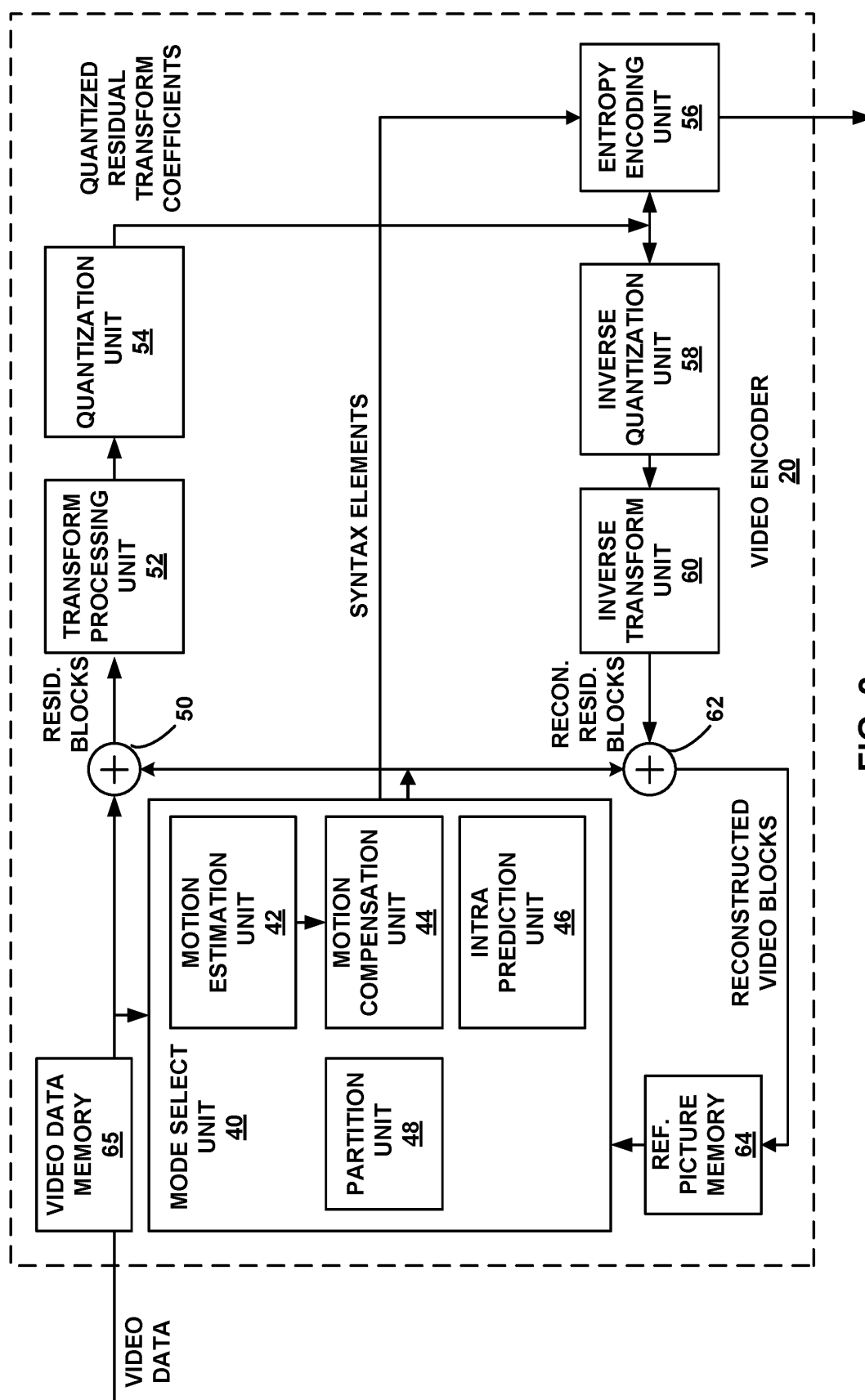


FIG. 1



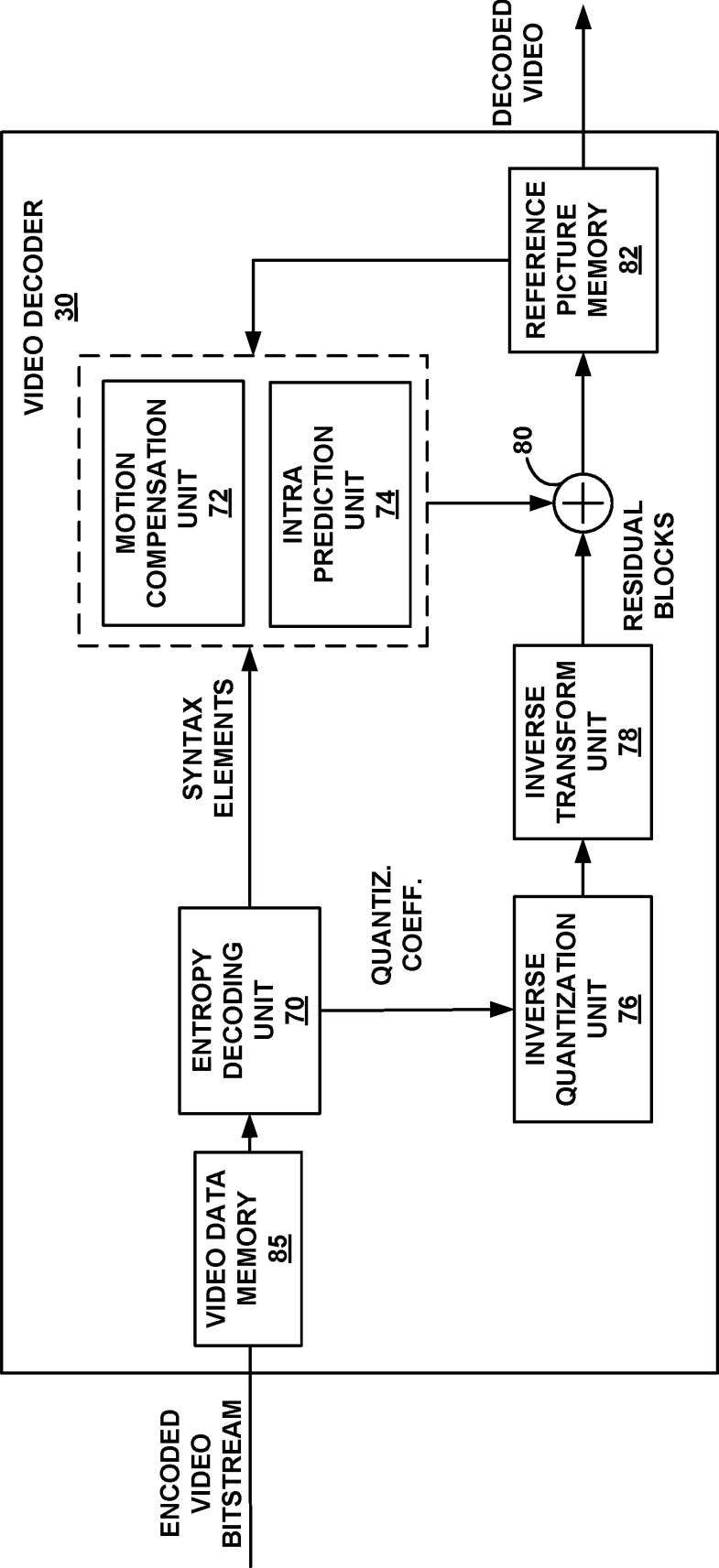


FIG. 3

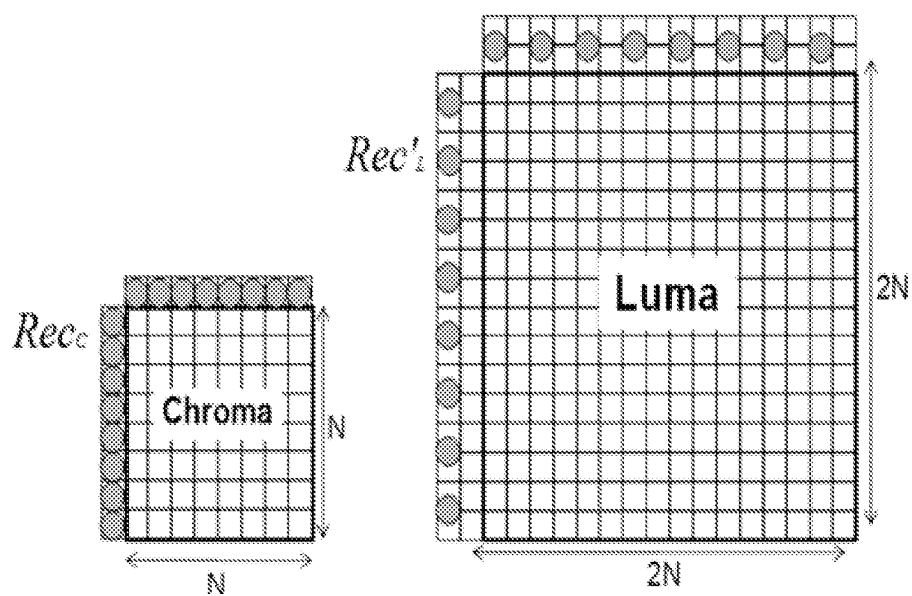


FIG. 4

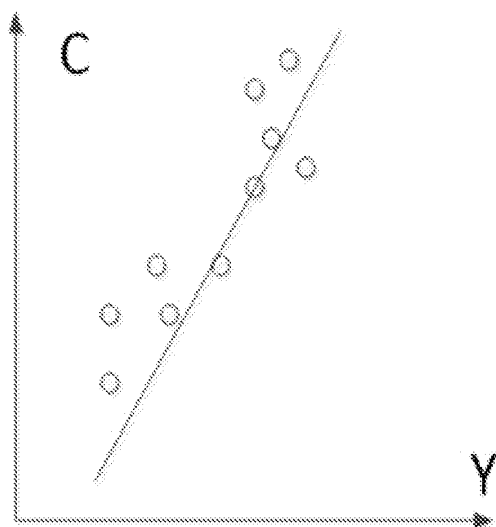


FIG. 5

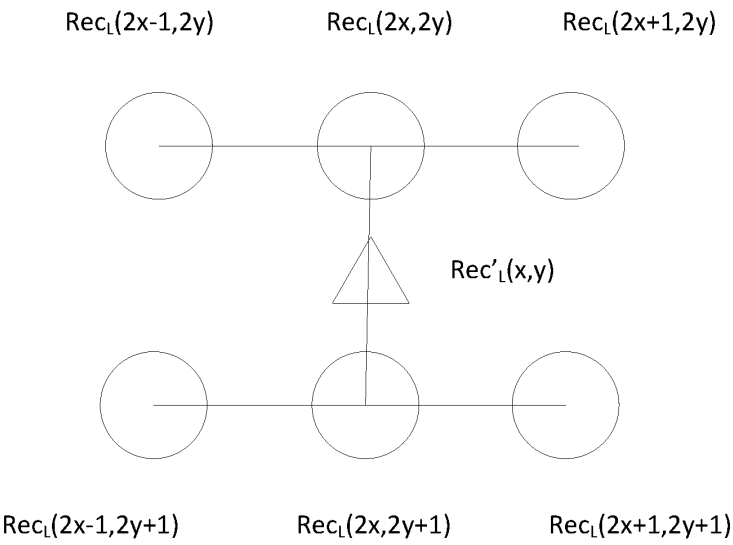


FIG. 6

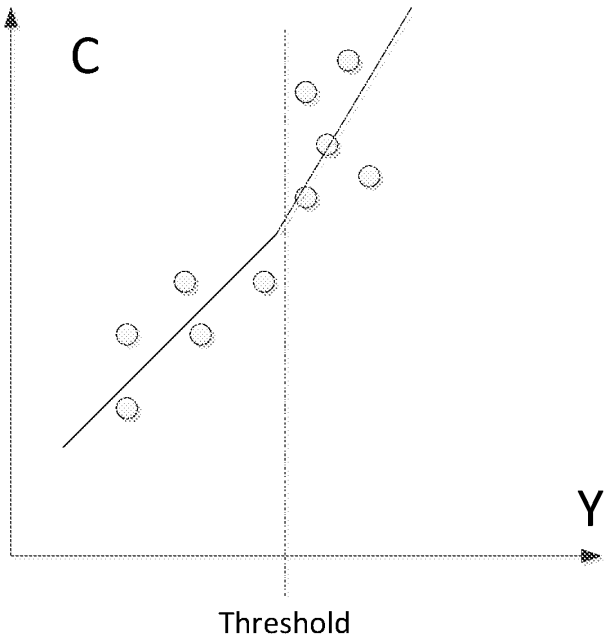


FIG. 7A

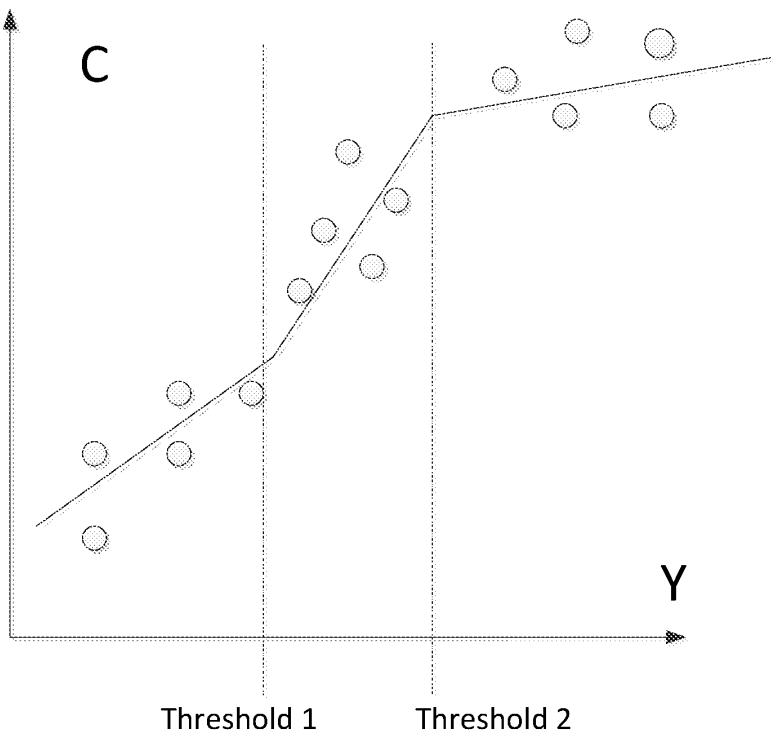


FIG. 7B

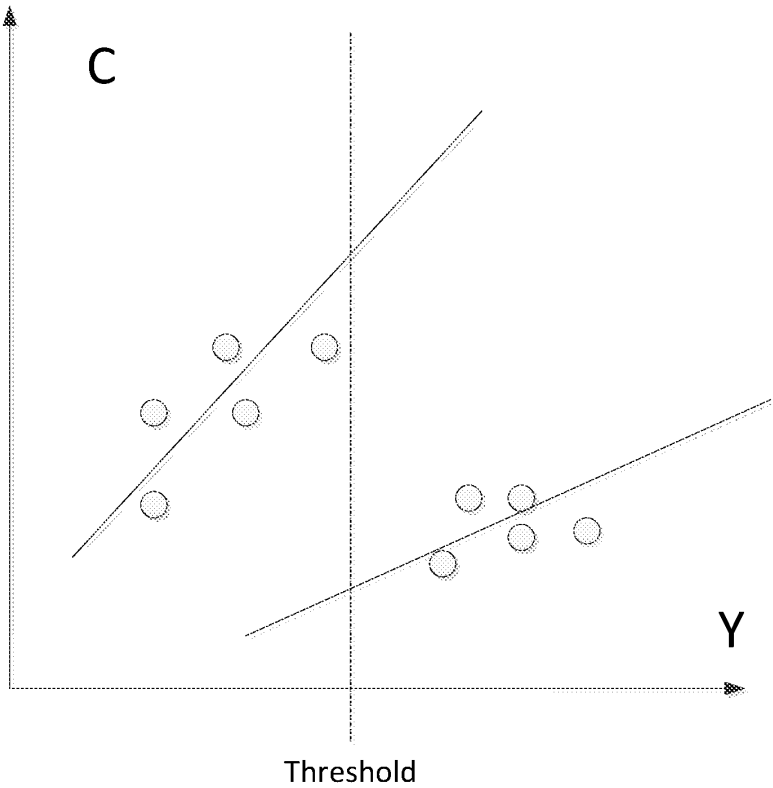


FIG. 7C

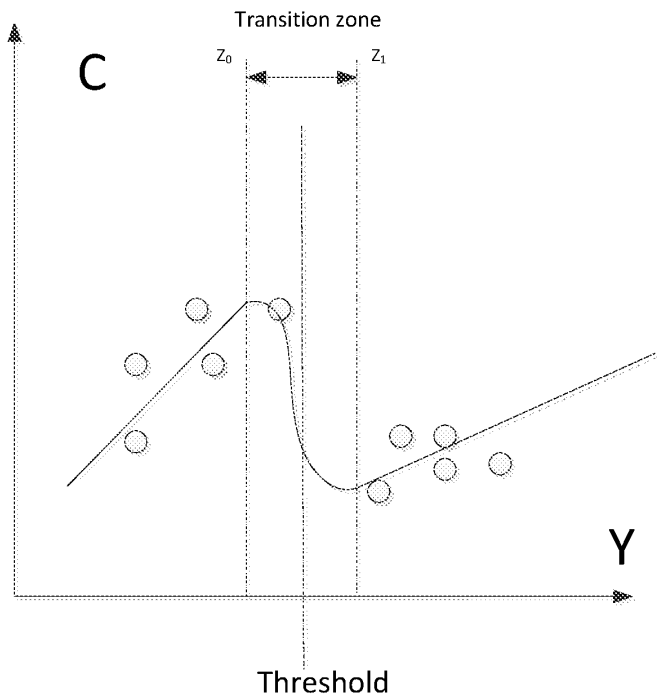


FIG. 7D

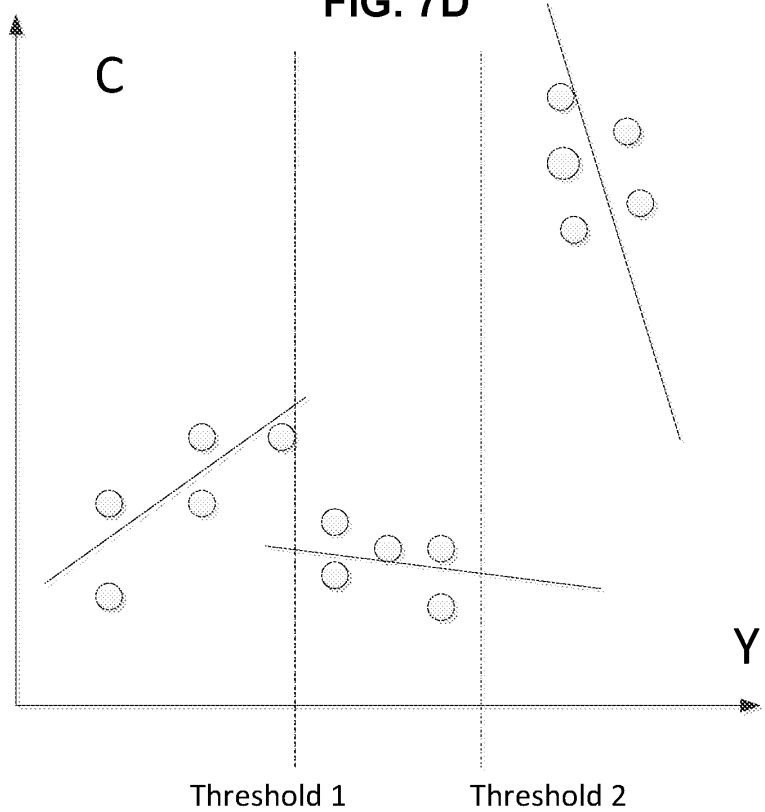


FIG. 7E

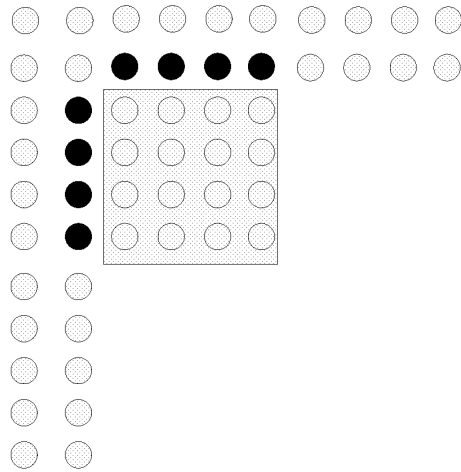


FIG. 8A

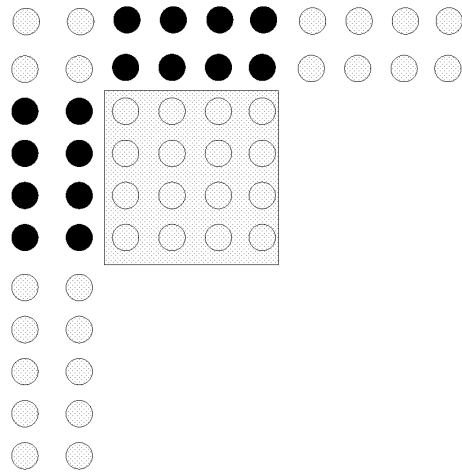


FIG. 8B

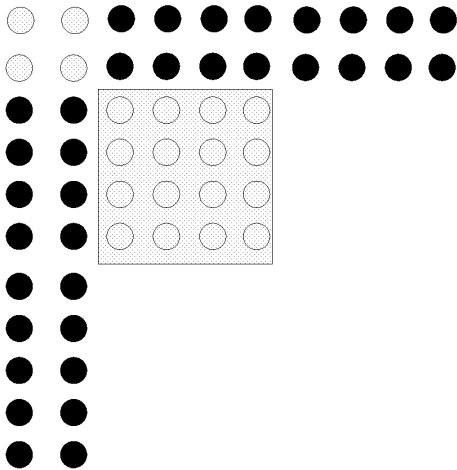


FIG. 8C

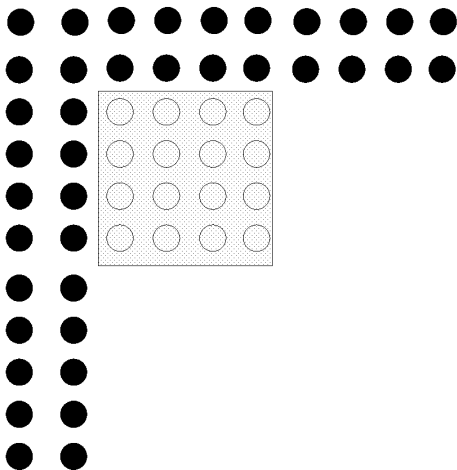


FIG. 8D

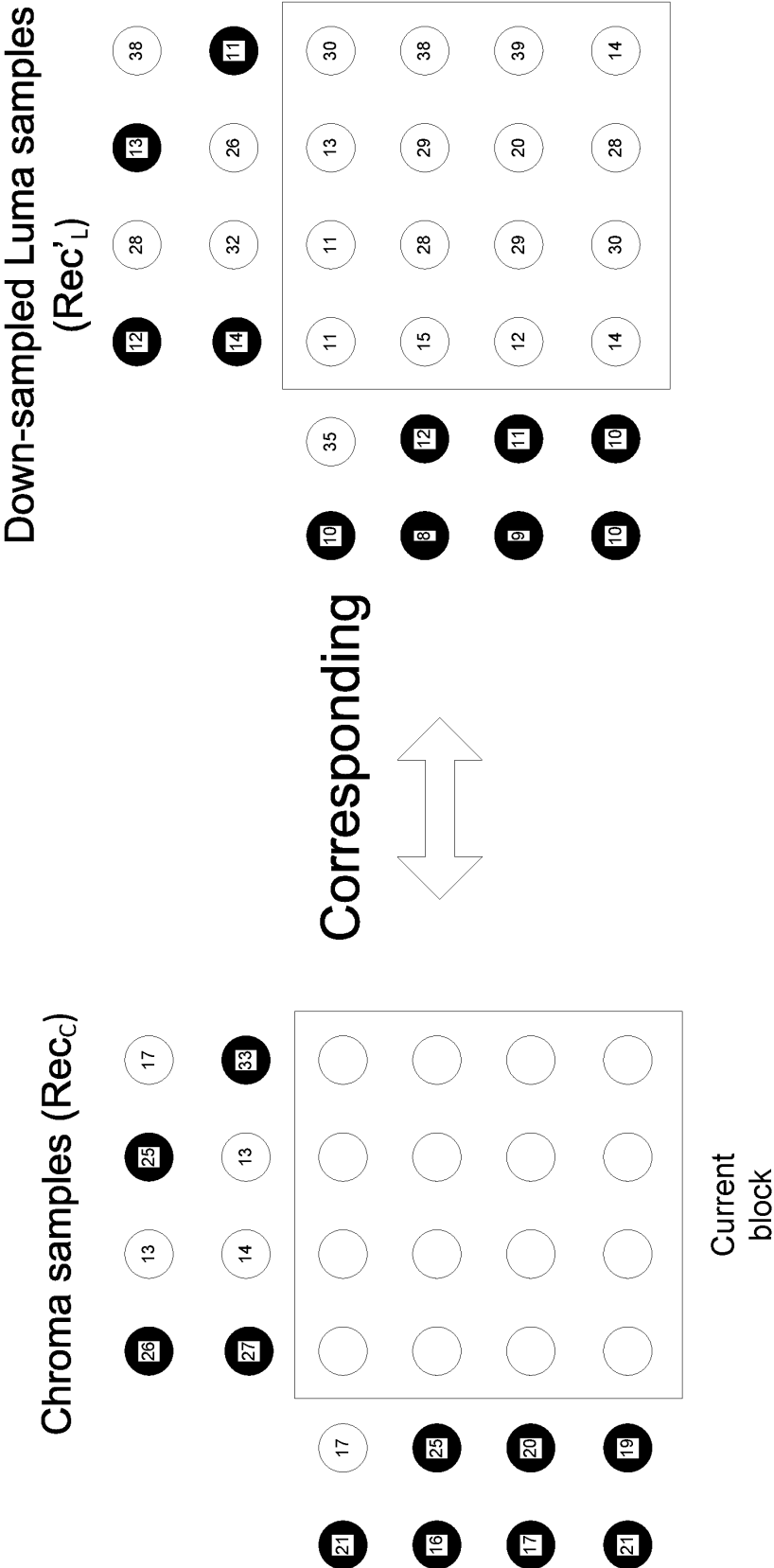


FIG. 9

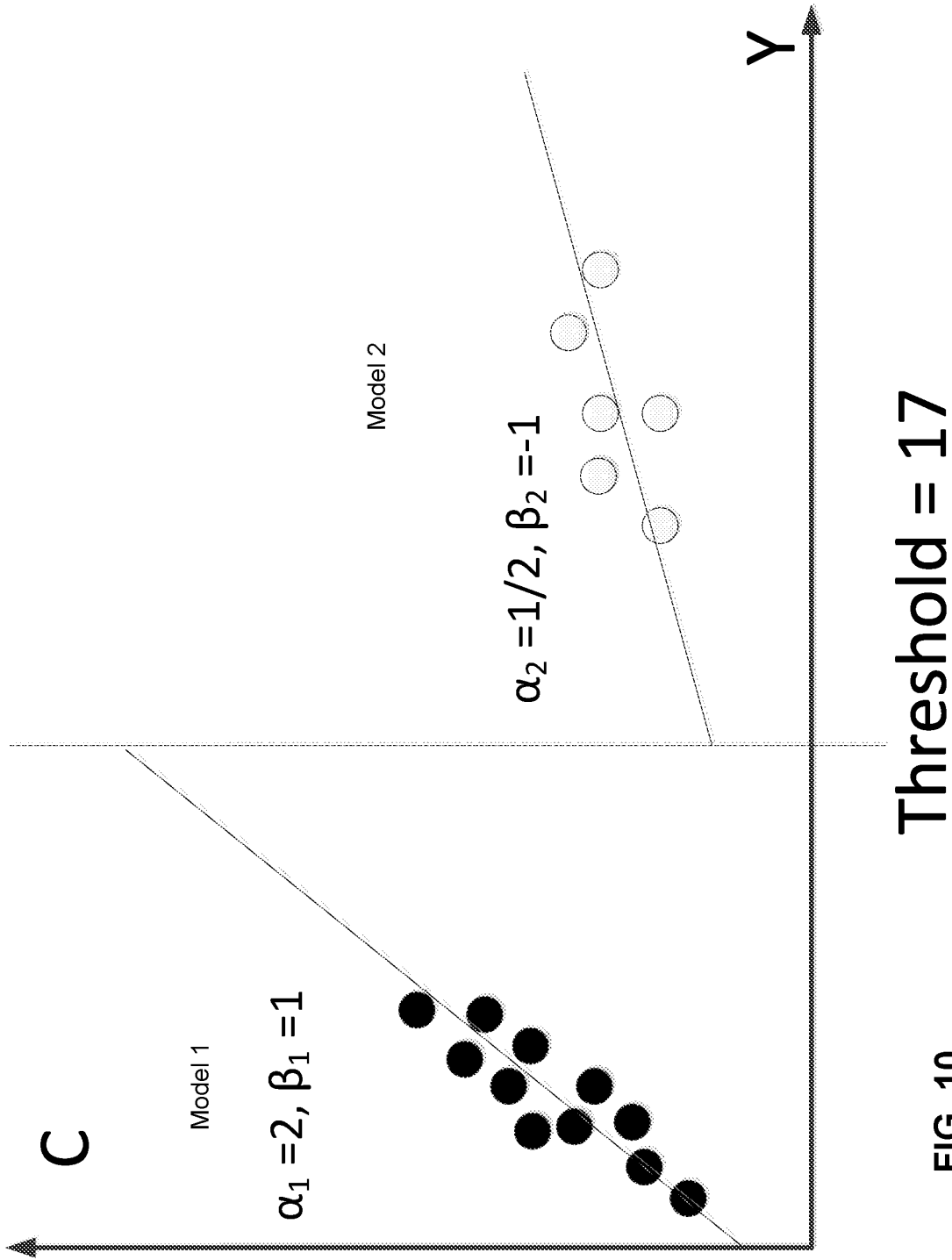


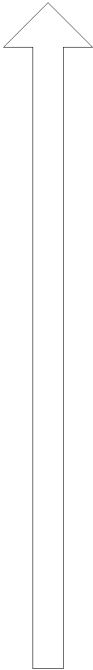
FIG. 10

Down-sampled Luma samples
(Rec'_L)

Predicted Chroma Samples
(Pred_C) Model 1

11	11	13	30
15	28	29	38
12	29	20	39
14	30	28	14

$$Pred_C[x,y] = \alpha_1 \cdot Rec'_L[x,y] + \beta_1$$



23	23	27	61
31	57	59	77
25	59	41	79
29	61	57	29

FIG. 11

Predicted Chroma Samples
(Pred_C) Model 2



$$Pred_C[x, y] = \alpha_2 \cdot Rec'_L[x, y] + \beta_2$$

Down-sampled Luma
samples (Rec'_L)



FIG. 12

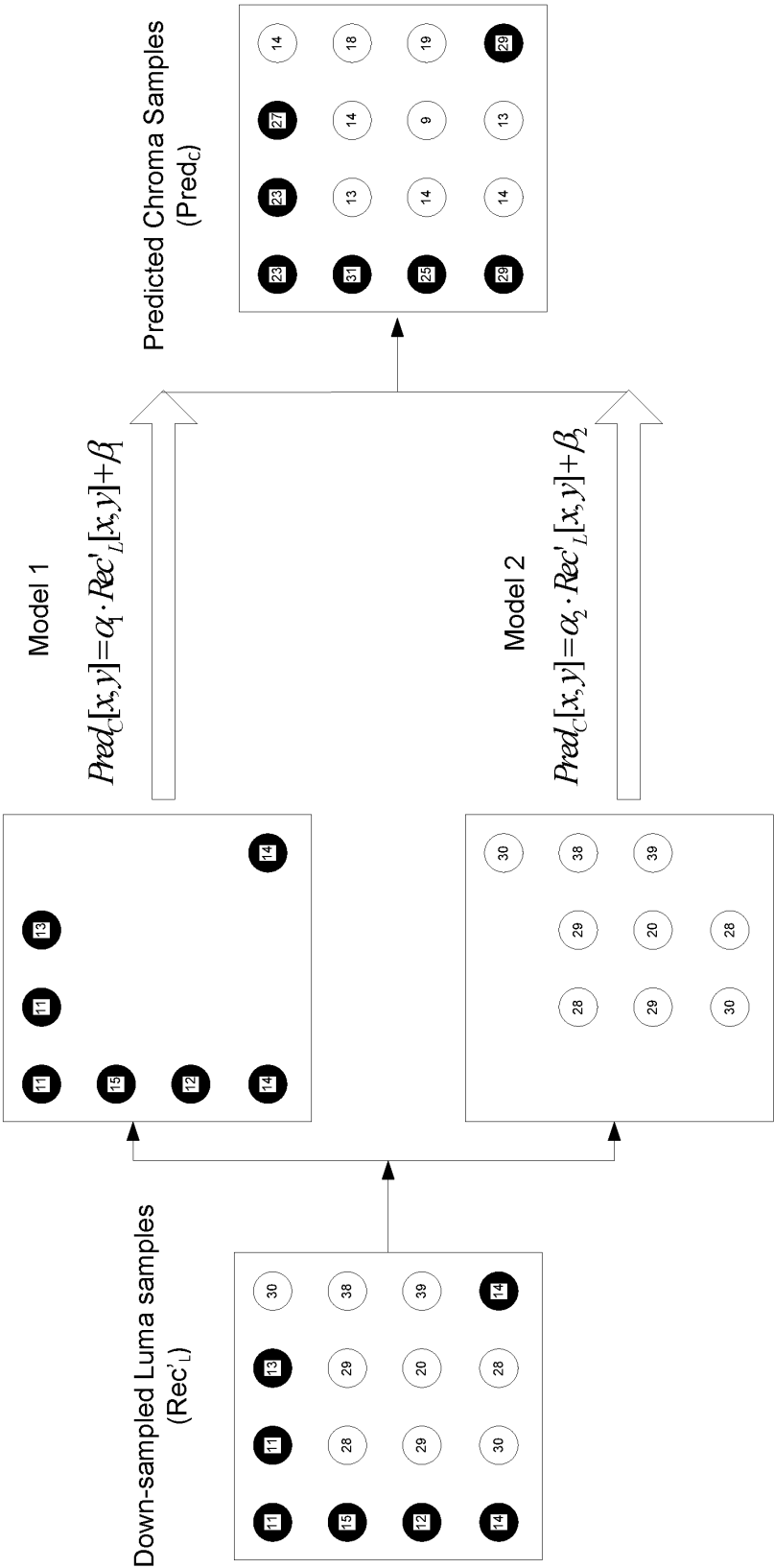


FIG. 13

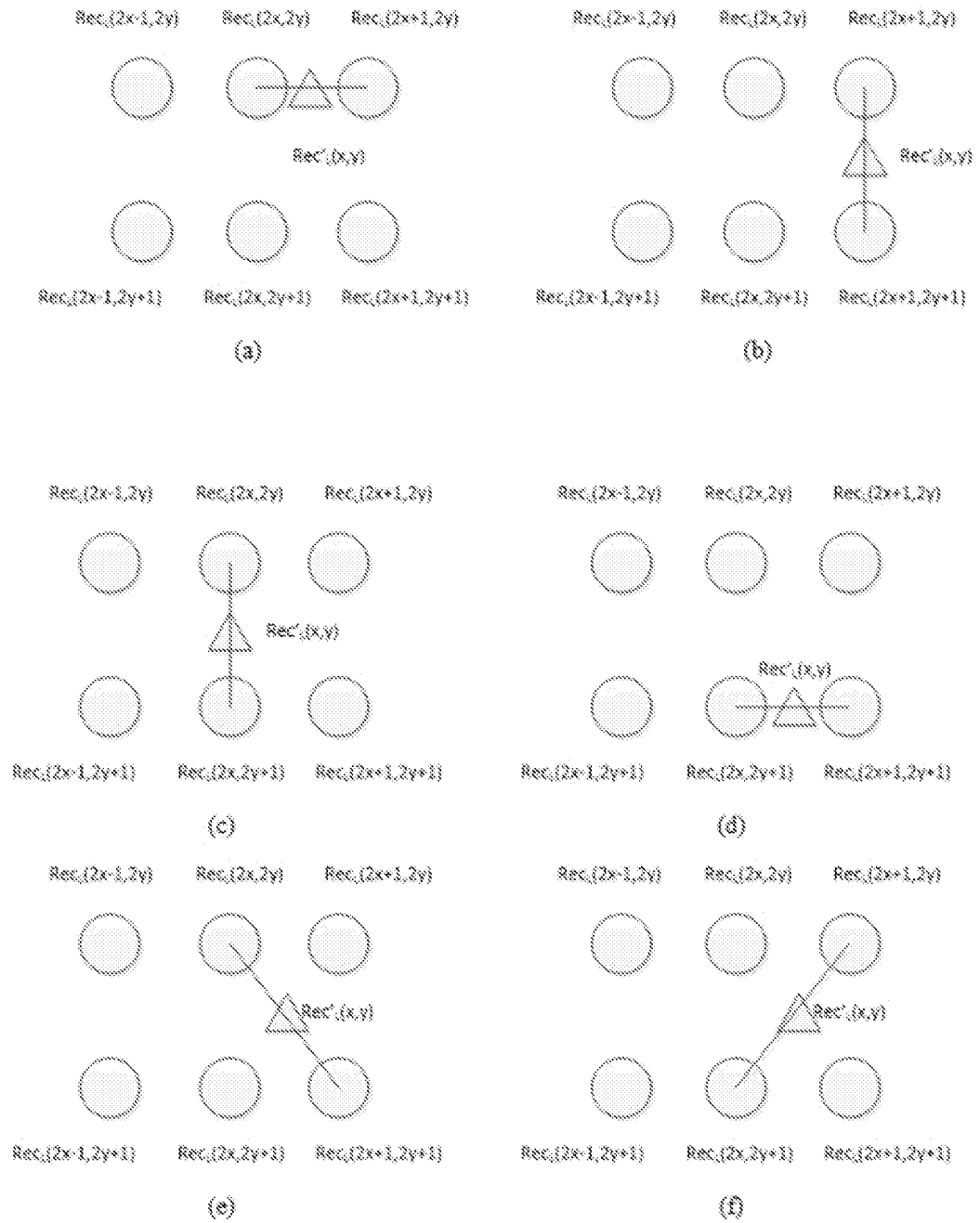


FIG. 14A

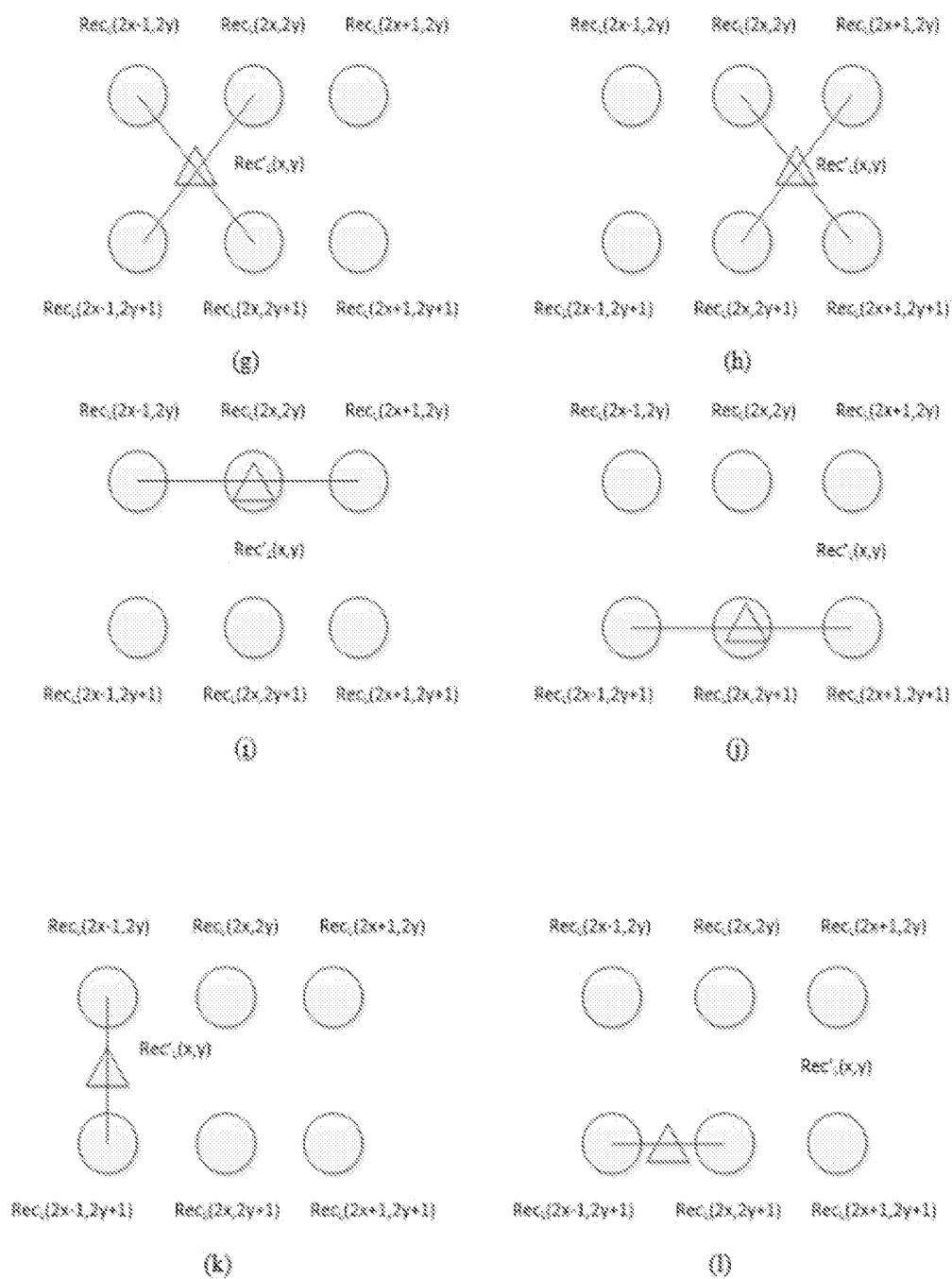


FIG. 14B

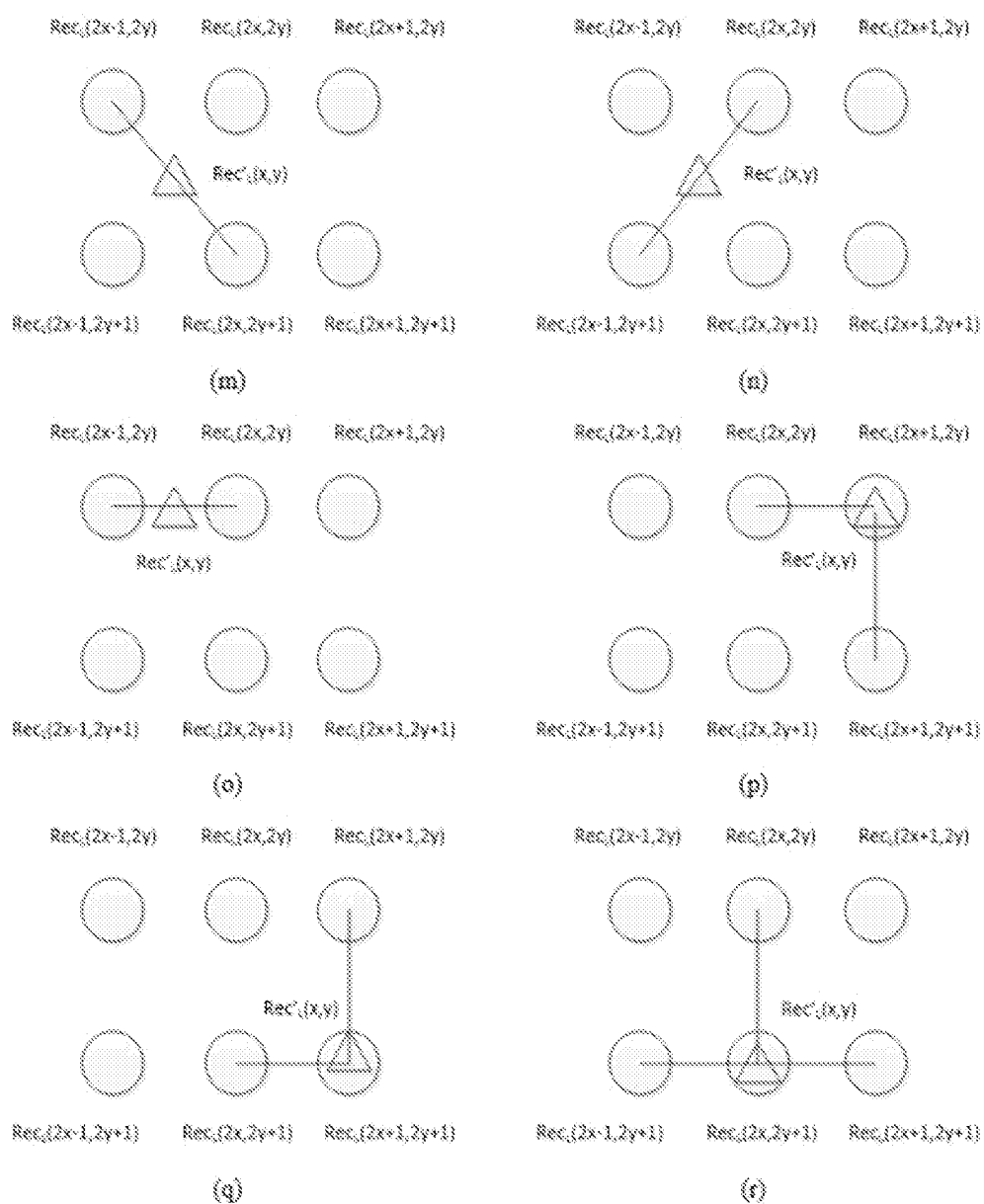


FIG. 14C

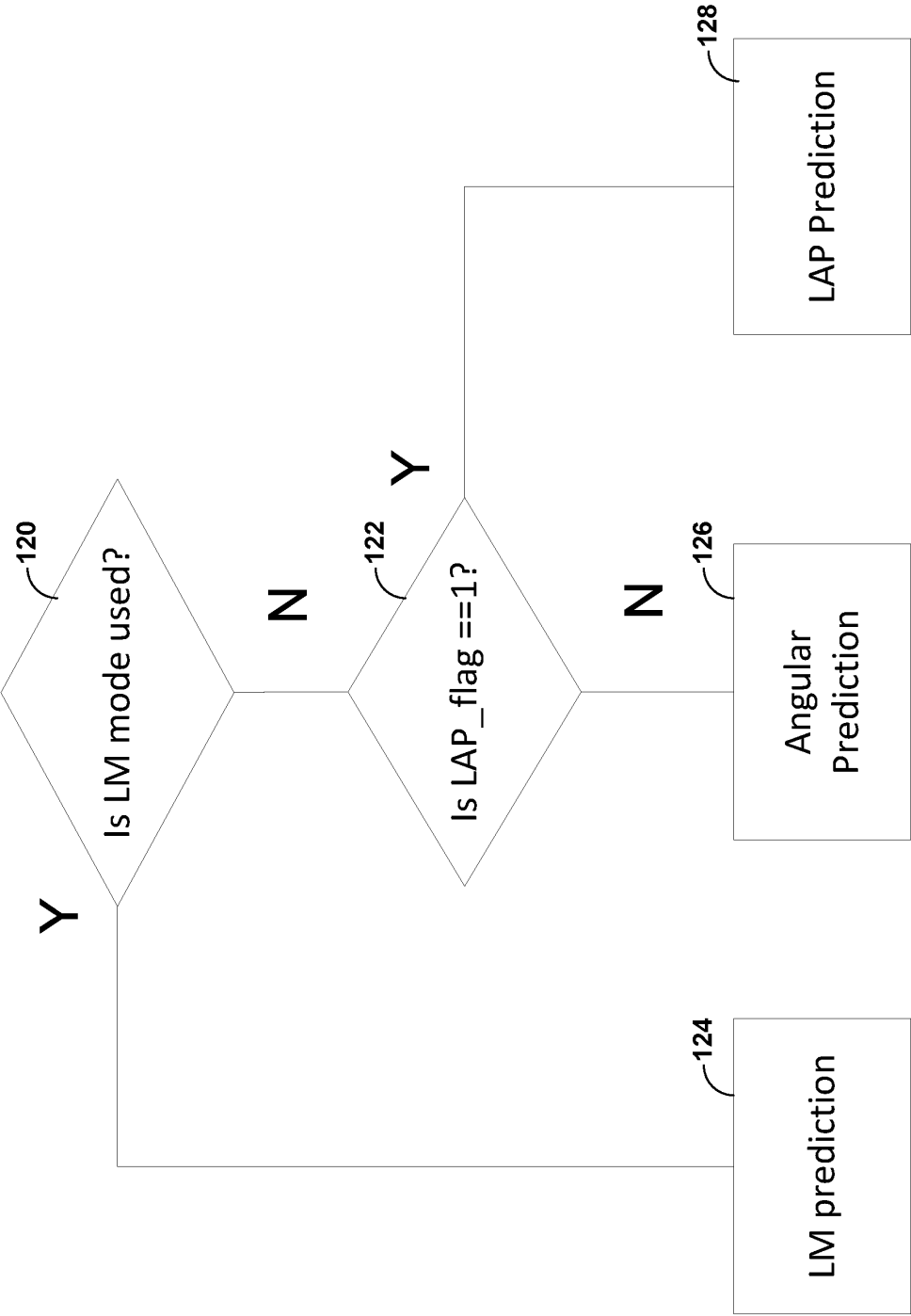


FIG. 15

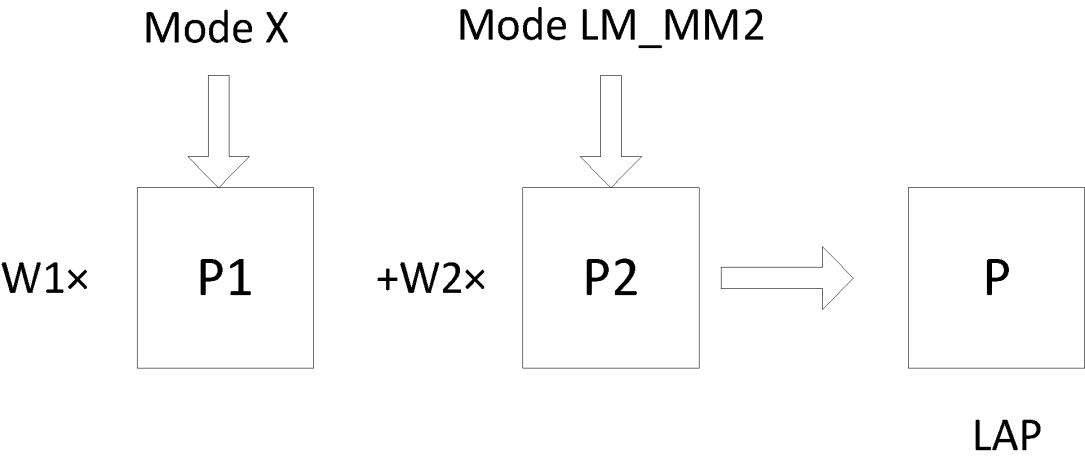


FIG. 16

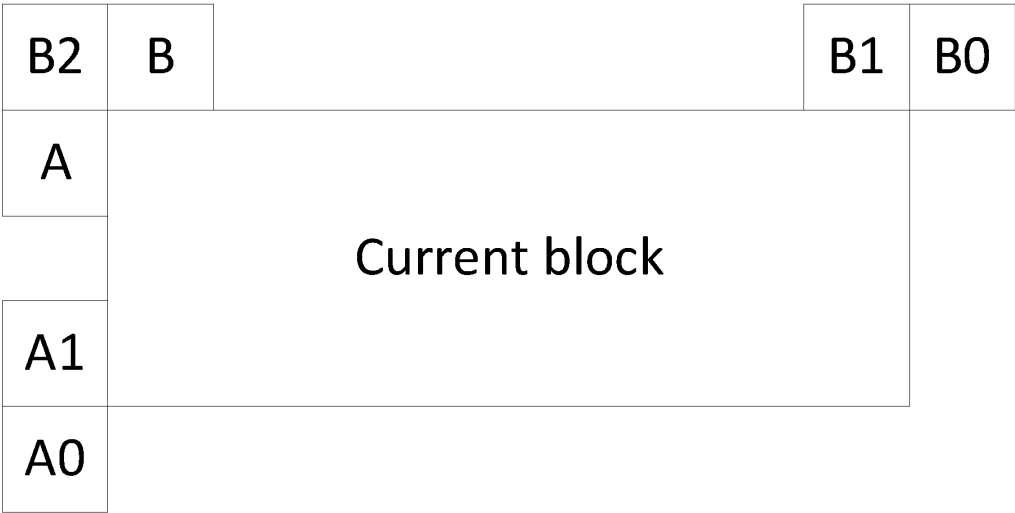


FIG. 17

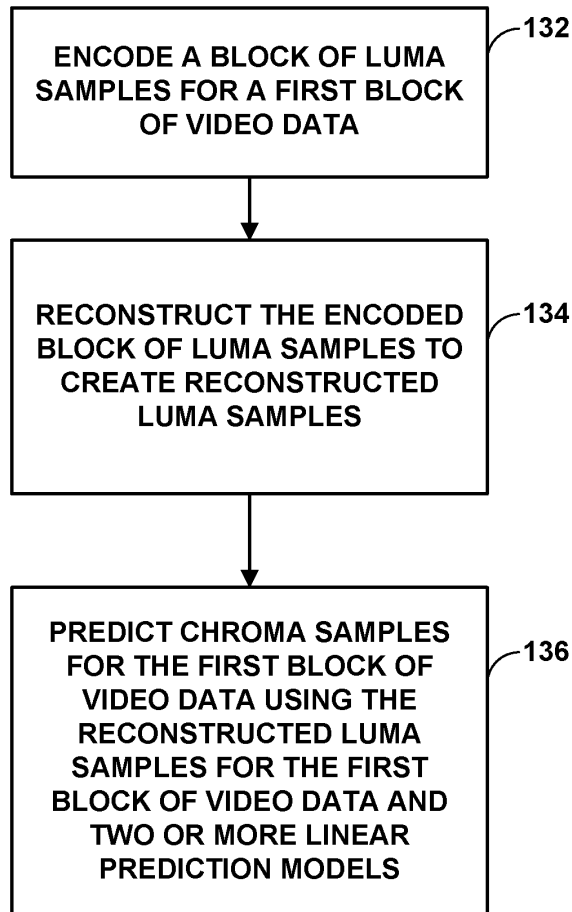


FIG. 18

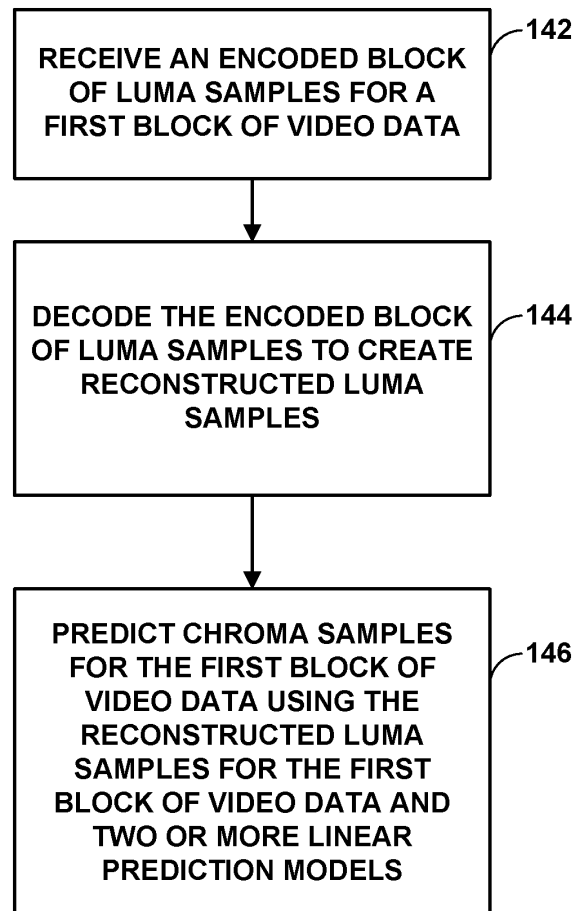


FIG. 19

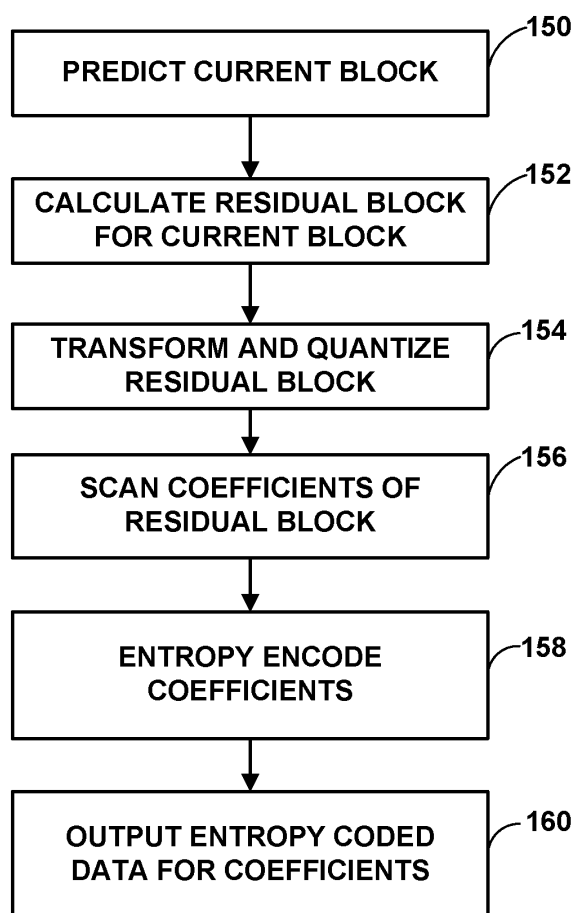


FIG. 20

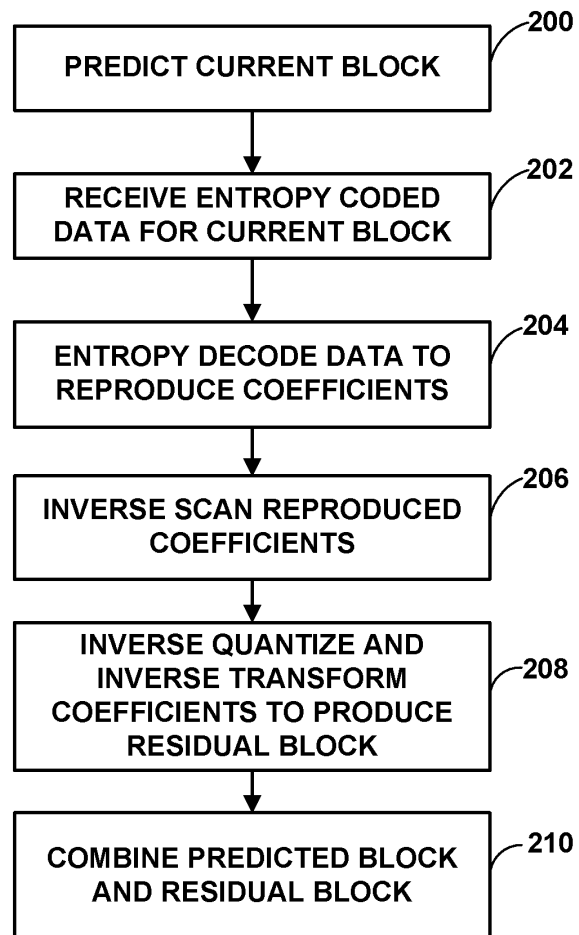


FIG. 21