

	R01	R02	R03	R04	R05	R06	R07	R08	R09
R10	S11	S12	S13	S14	104				
R20	S21	S22	S23	S24					
R30	S31	<u>S32</u>	S33	S34					
R40	S41	S42	S43	S44					
R50									
R60									
R70									

104

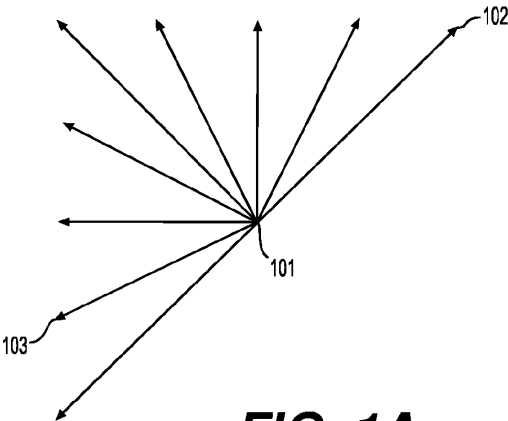
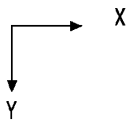


FIG. 1A

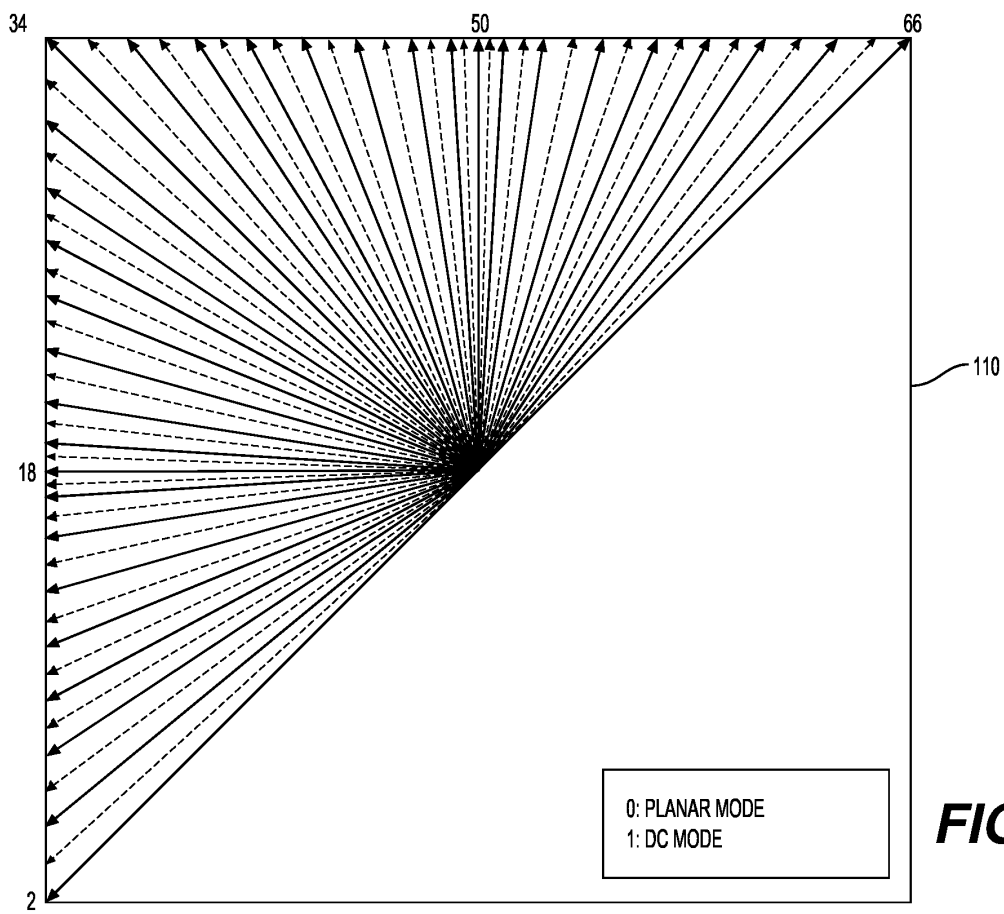


FIG. 1B

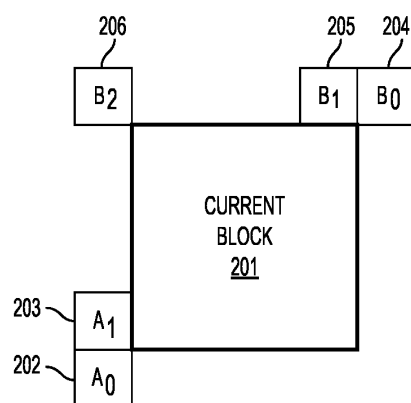


FIG. 2
(Related Art)

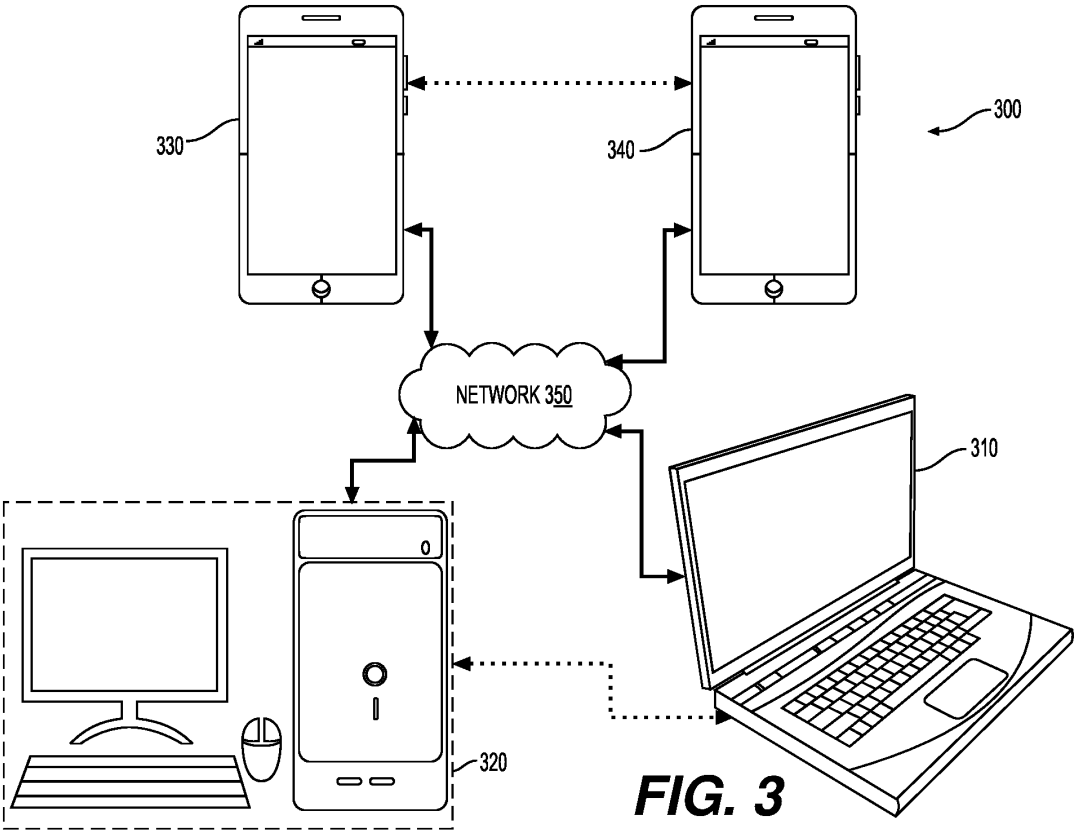


FIG. 3

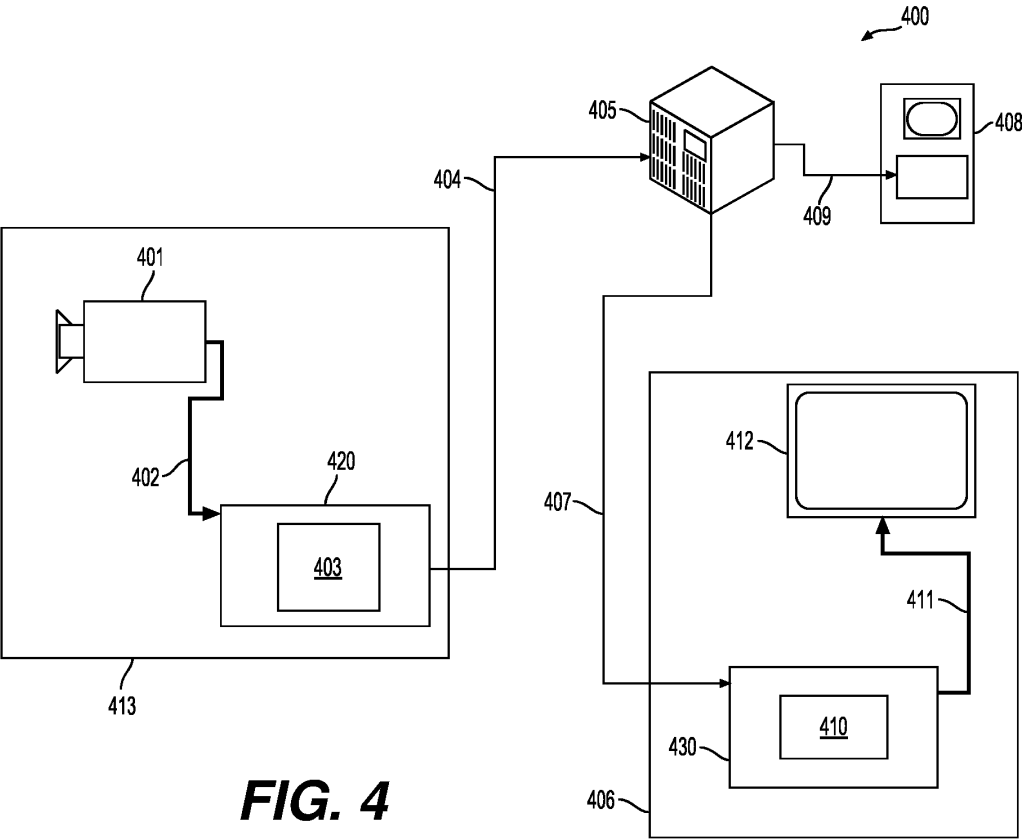


FIG. 4

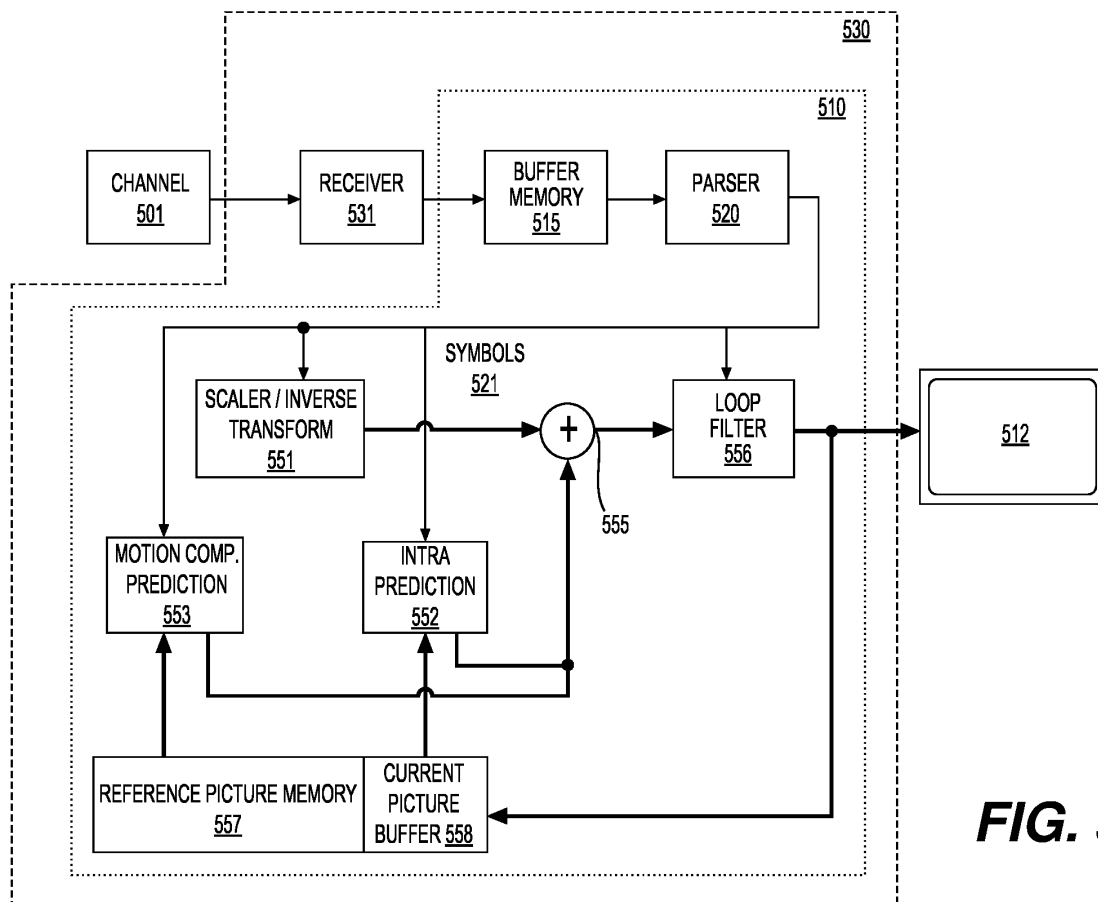


FIG. 5

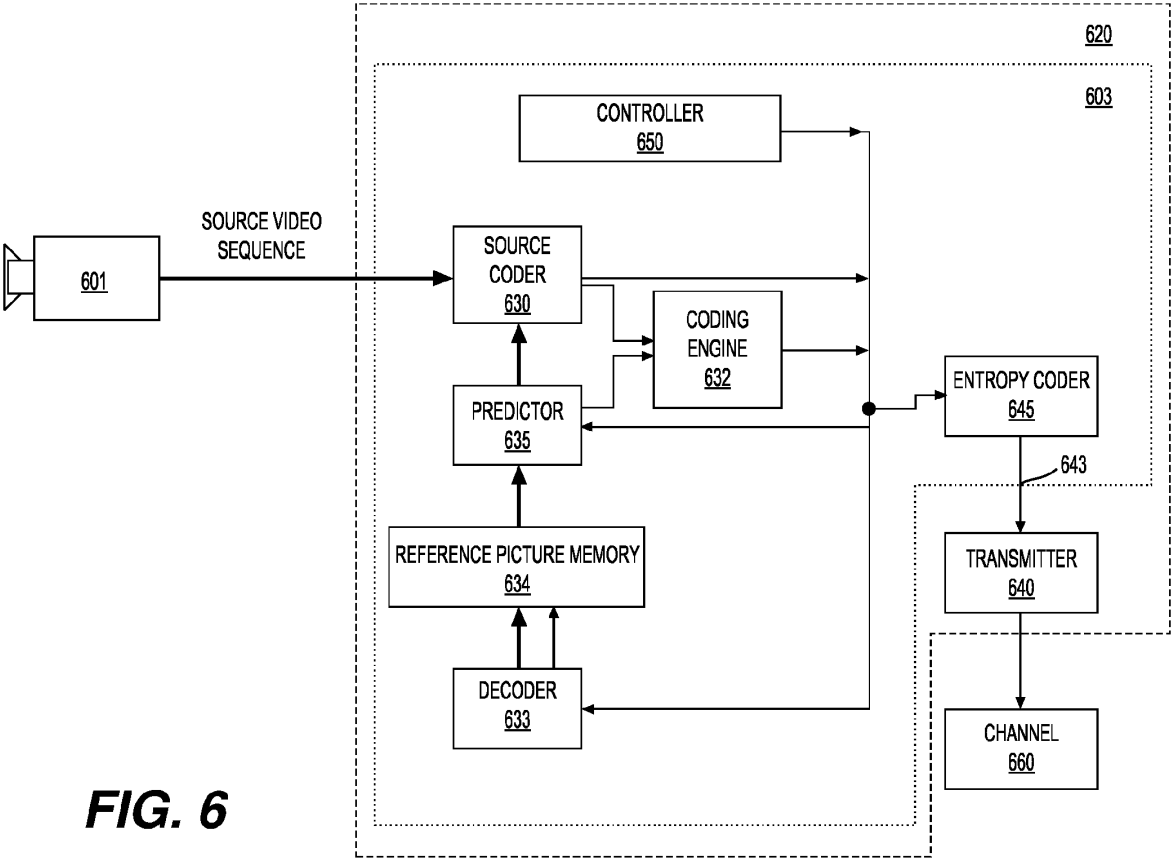


FIG. 6

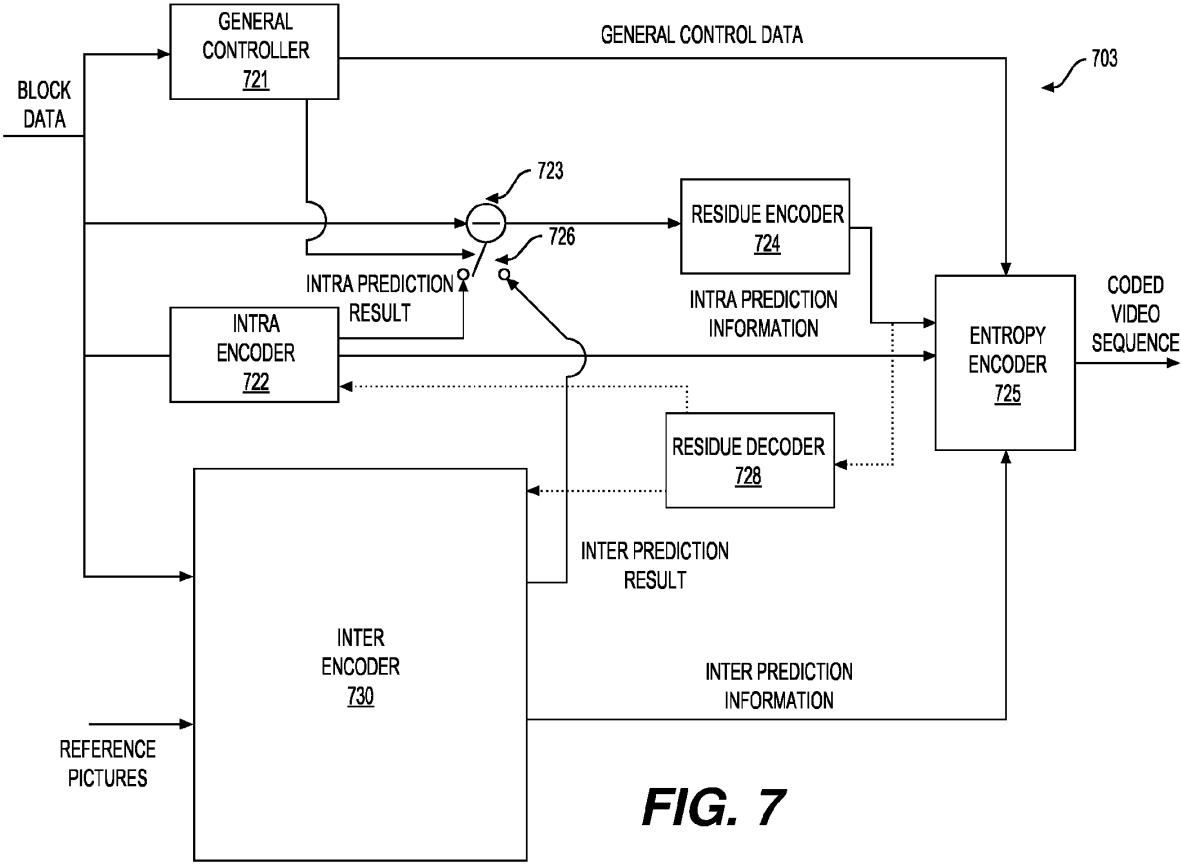
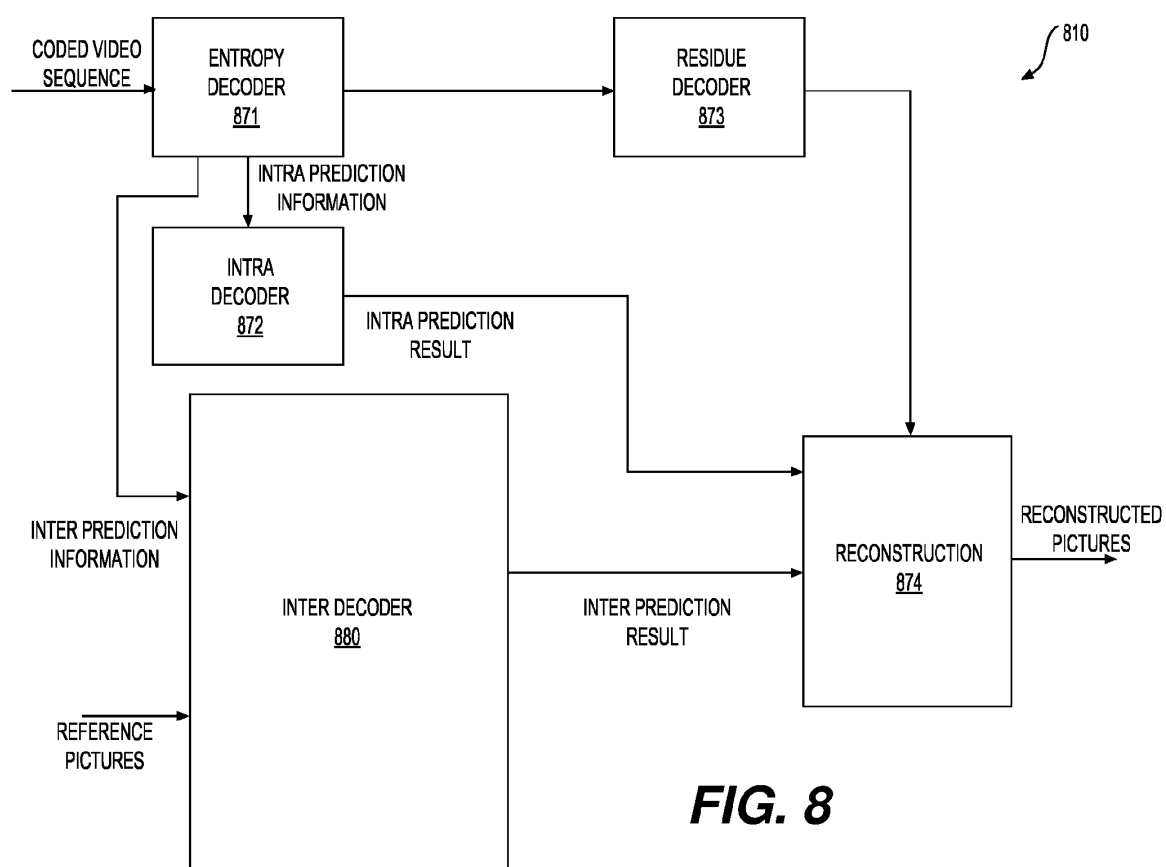


FIG. 7

**FIG. 8**

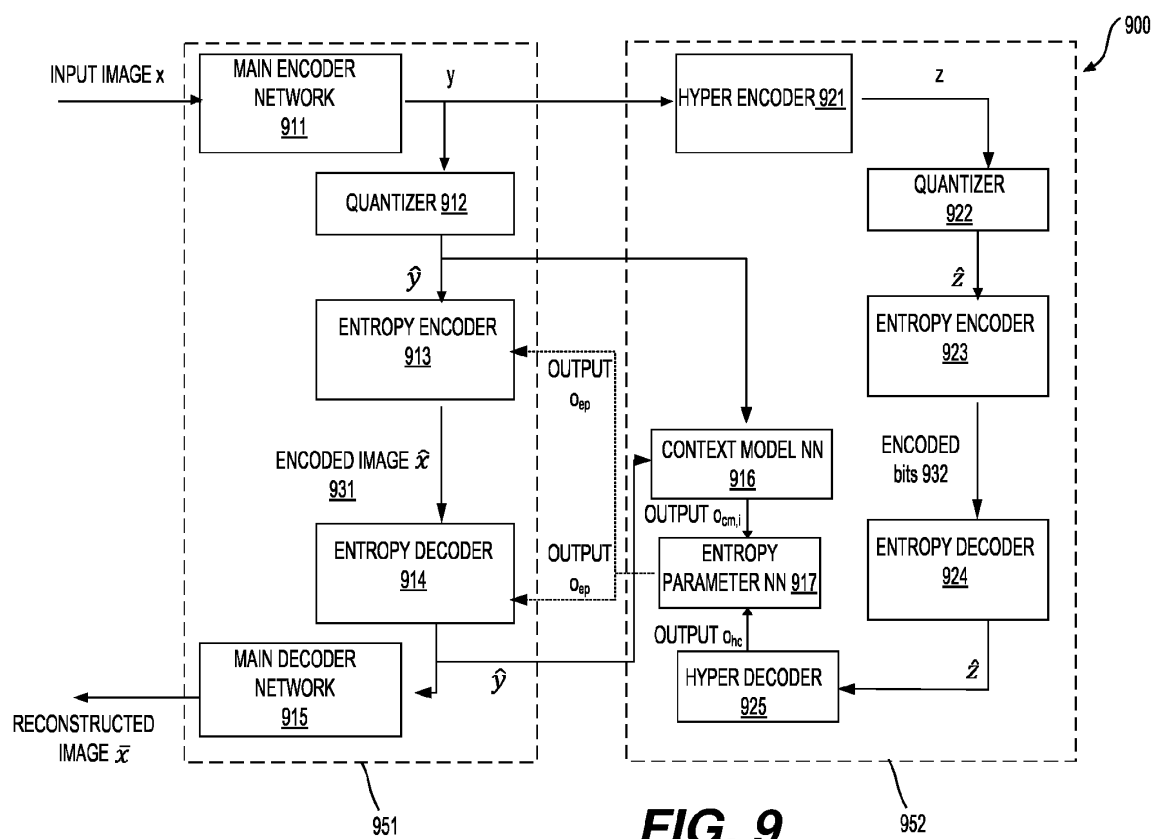
**FIG. 9**

FIG. 10**Main encoder network**

Conv: 5x5 c192 s2
GDN
Conv: 5x5 c192 s2
GDN
Conv: 5x5 c192 s2
GDN
Conv: 5x5 c192 s2
GDN

FIG. 11**Main decoder network**

DeConv: 5x5 c192 s2
IGDN
DeConv: 5x5 c192 s2
IGDN
DeConv: 5x5 c192 s2
IGDN
DeConv: 5x5 c3 s2
IGDN

FIG. 12**Hyper encoder**

Conv: 3x3 c192 s1
Leaky ReLU
Conv: 5x5 c192 s2
Leaky ReLU
Conv: 5x5 c192 s2

FIG. 13**Hyper decoder**

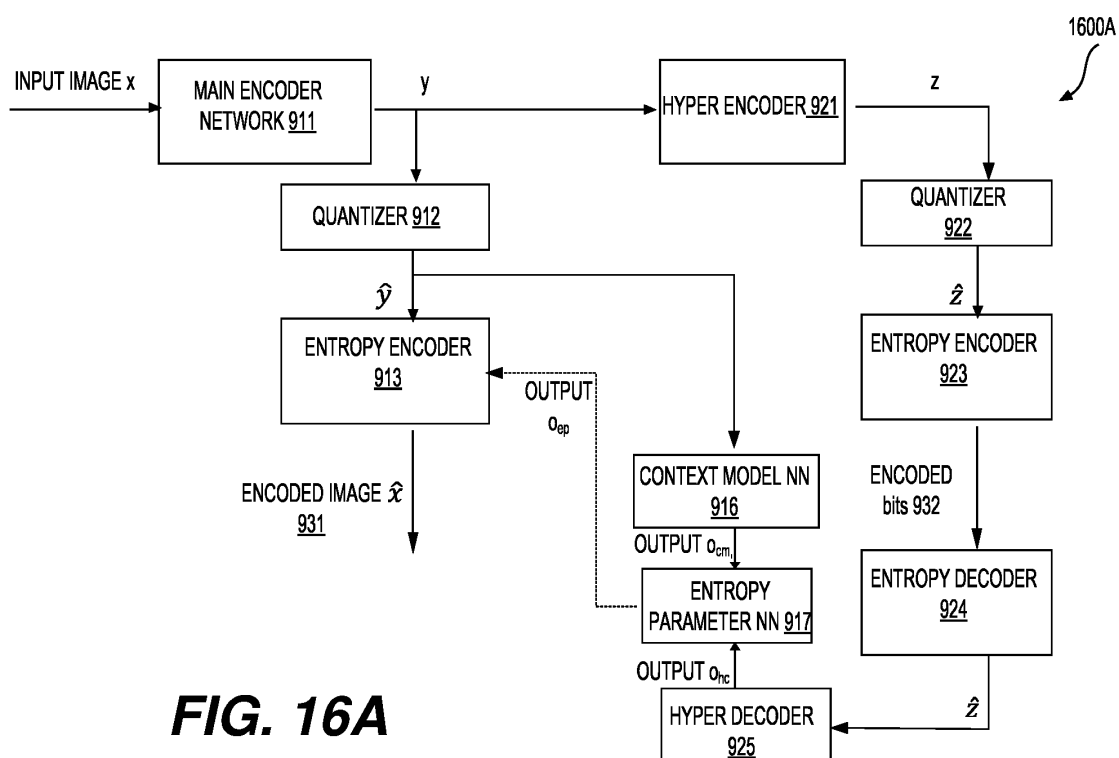
DeConv: 5x5 c192 s2
Leaky ReLU
DeConv: 5x5 c288 s2
Leaky ReLU
DeConv: 3x3 c384 s1

FIG. 14**Context model NN**

Masked: 5x5 c384 s1

FIG. 15**Entropy parameter NN**

Conv: 1x1 c640 s1
Leaky ReLU
Conv: 1x1 c512 s1
Leaky ReLU
Conv: 1x1 c384 s1



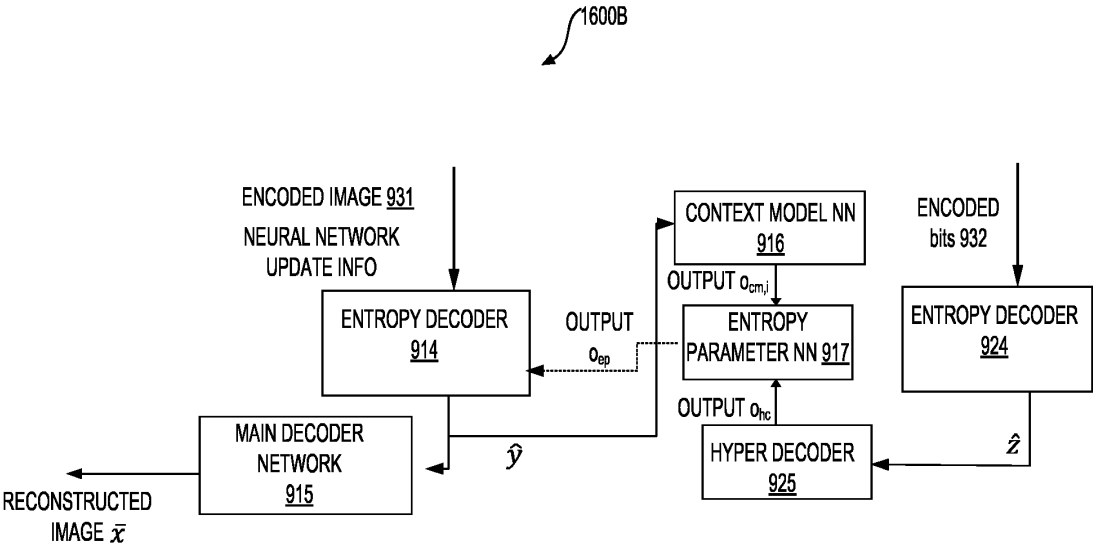


FIG. 16B

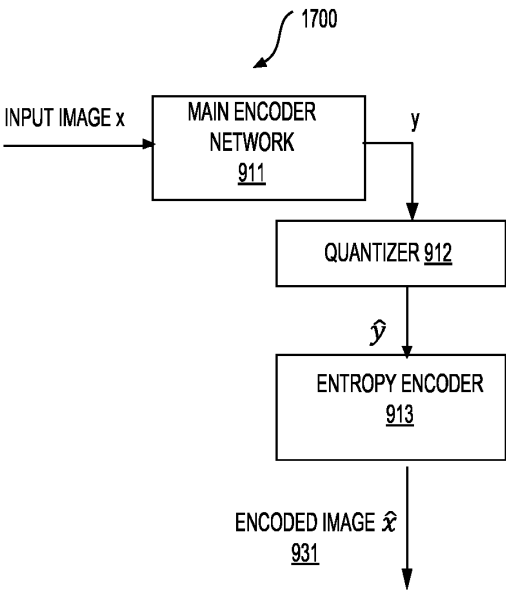


FIG. 17

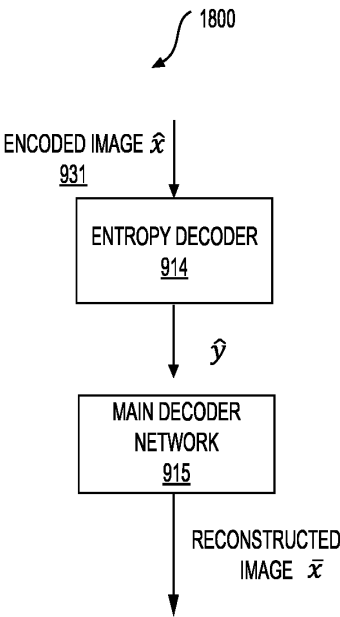
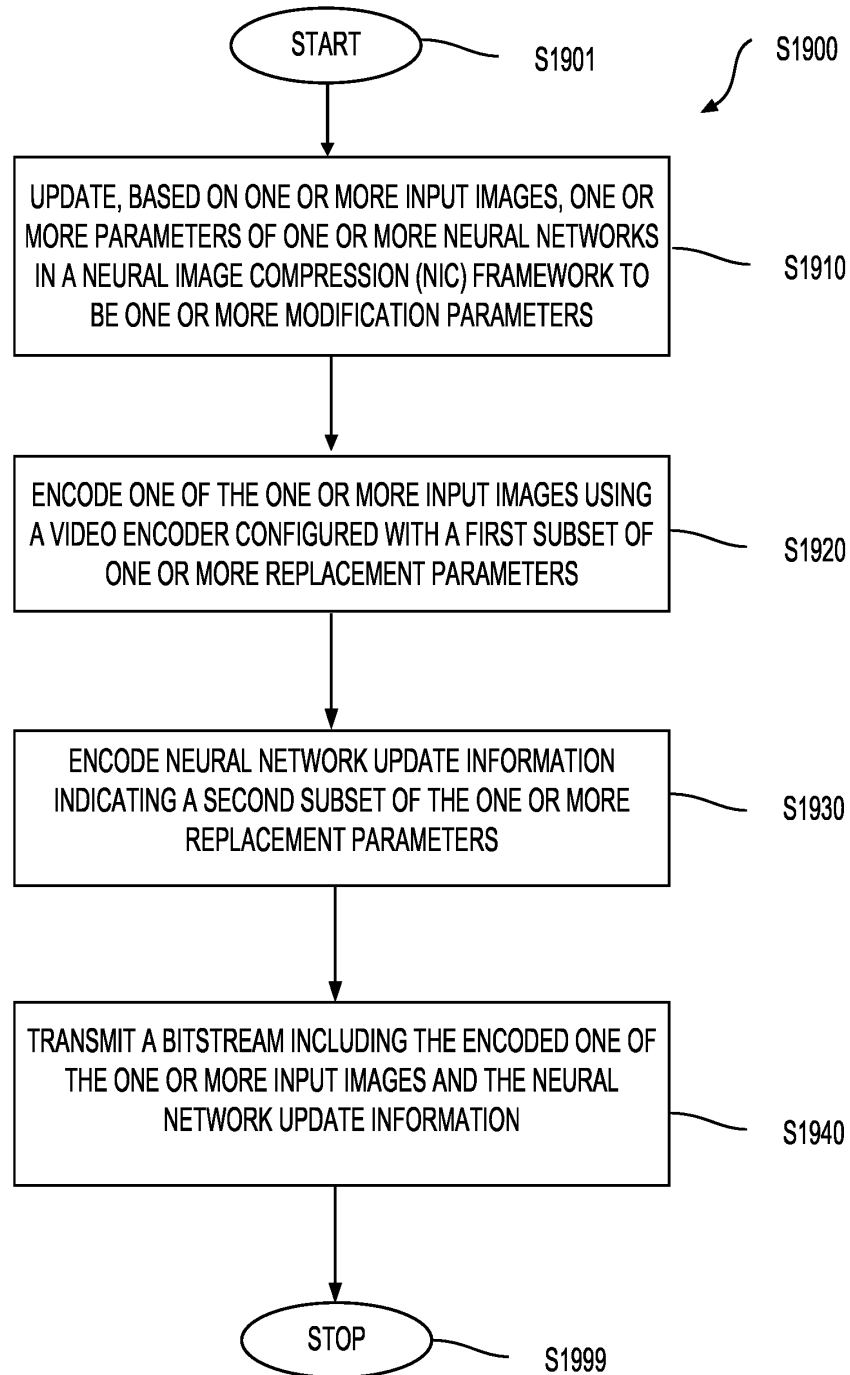
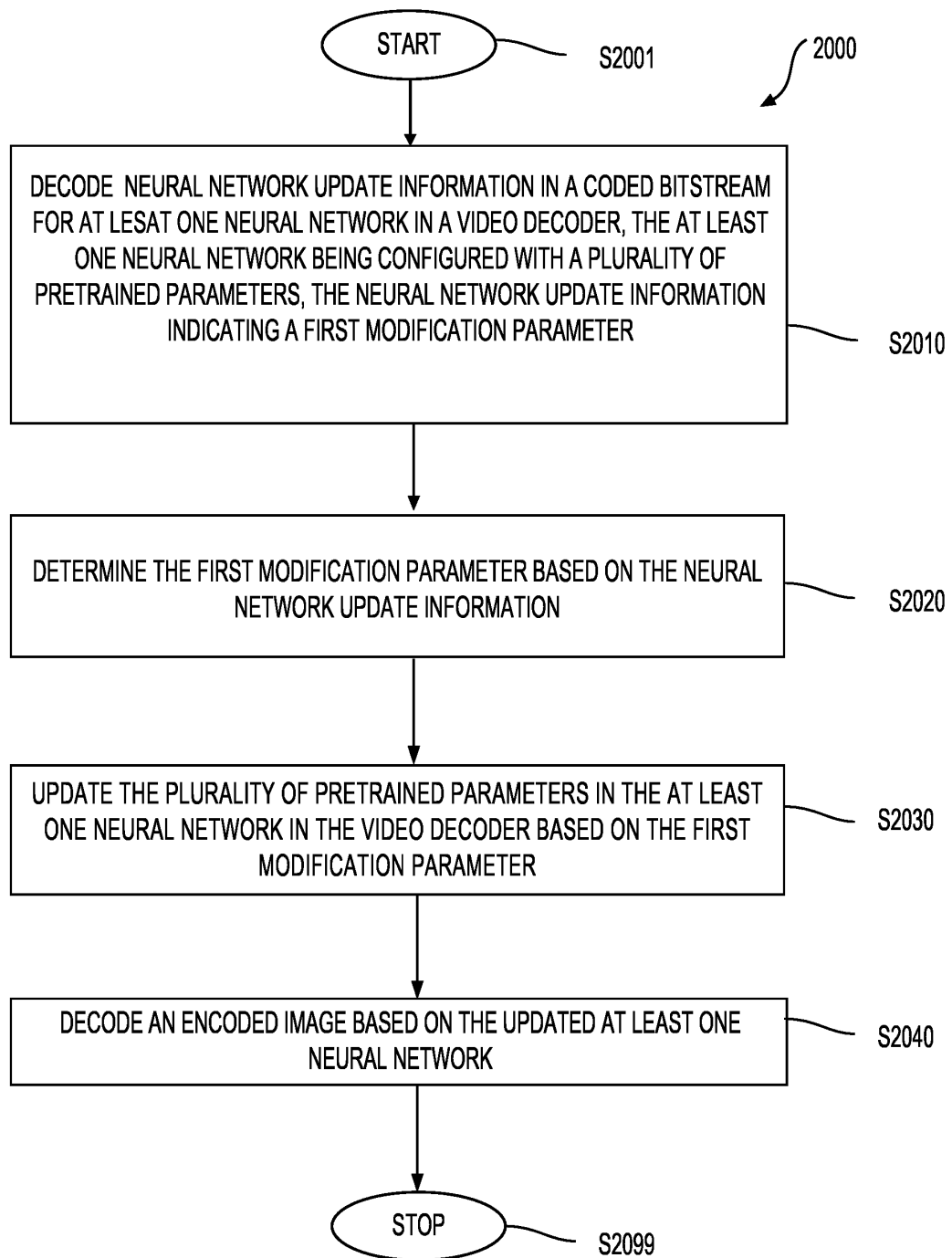


FIG. 18

**FIG. 19**

**FIG. 20**

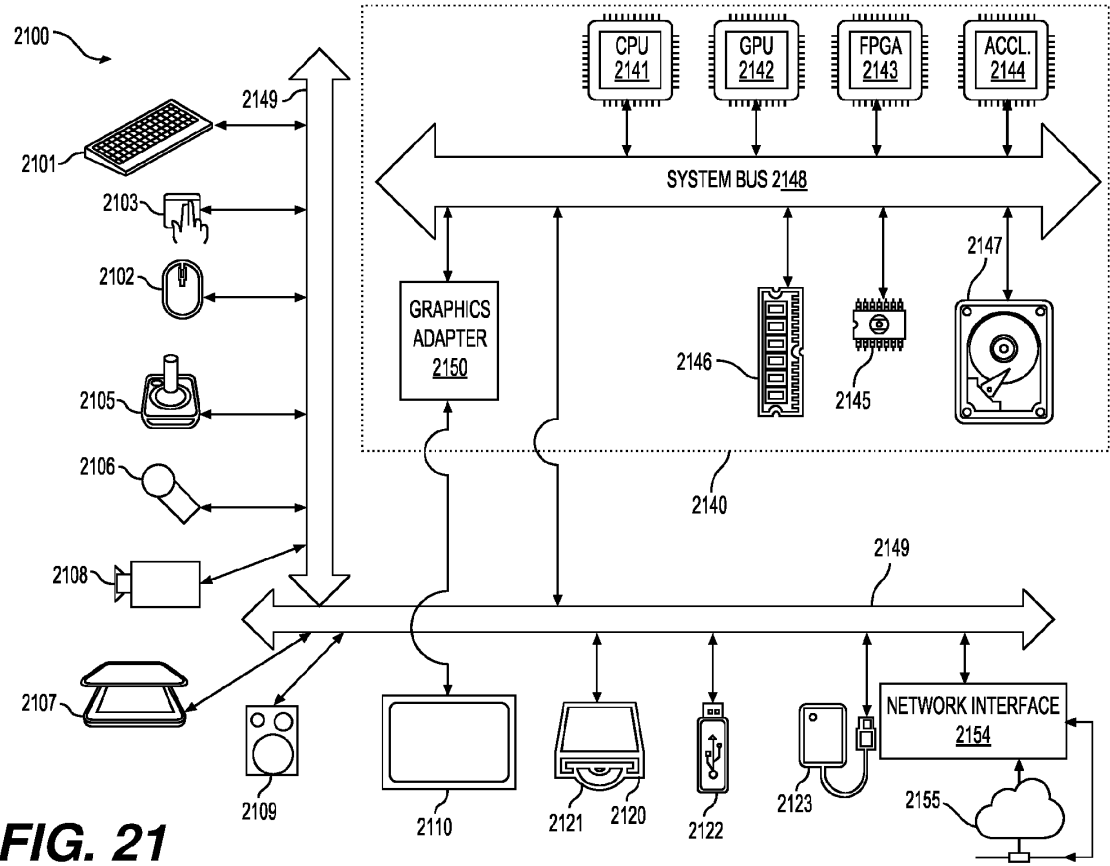


FIG. 21