

	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									

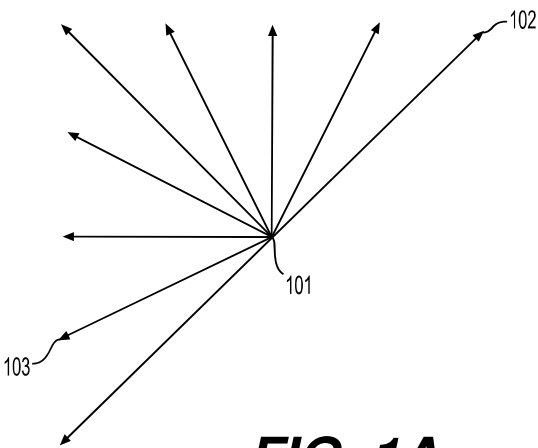
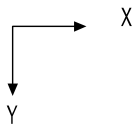
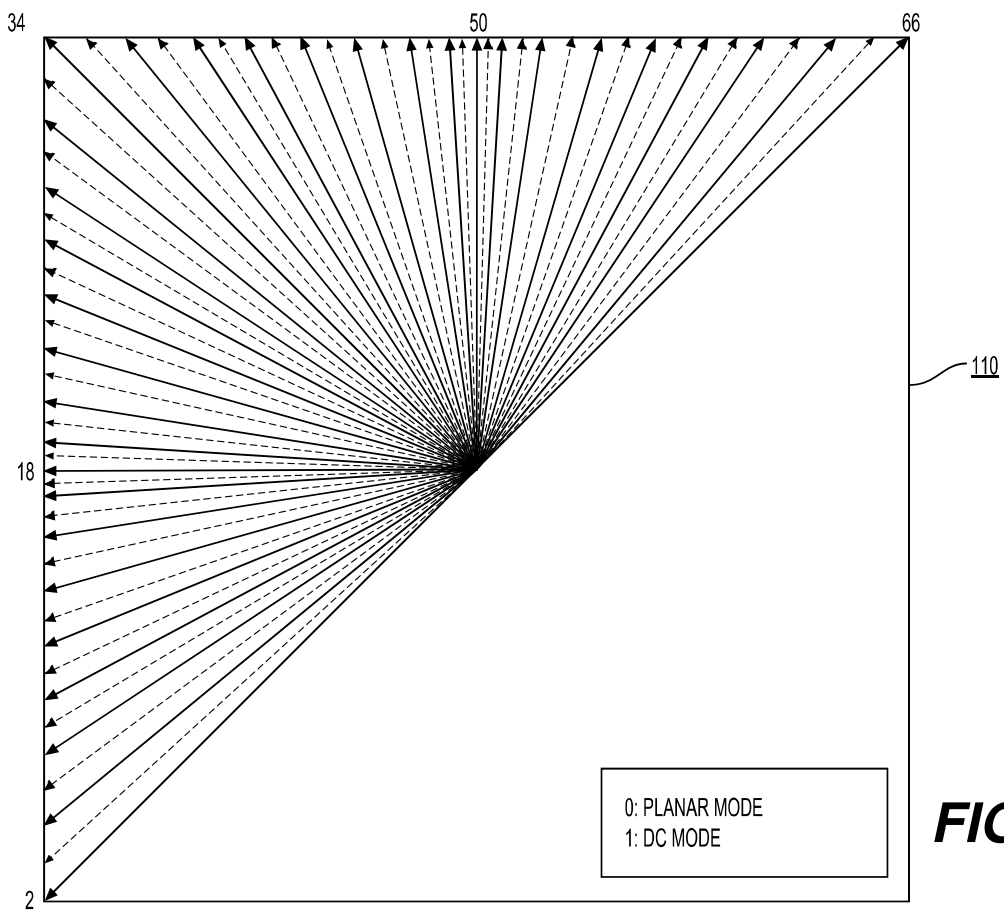


FIG. 1A



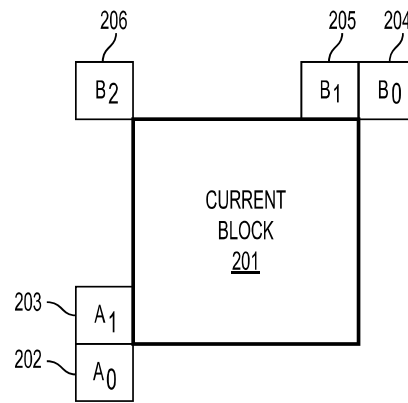


FIG. 2
(Related Art)

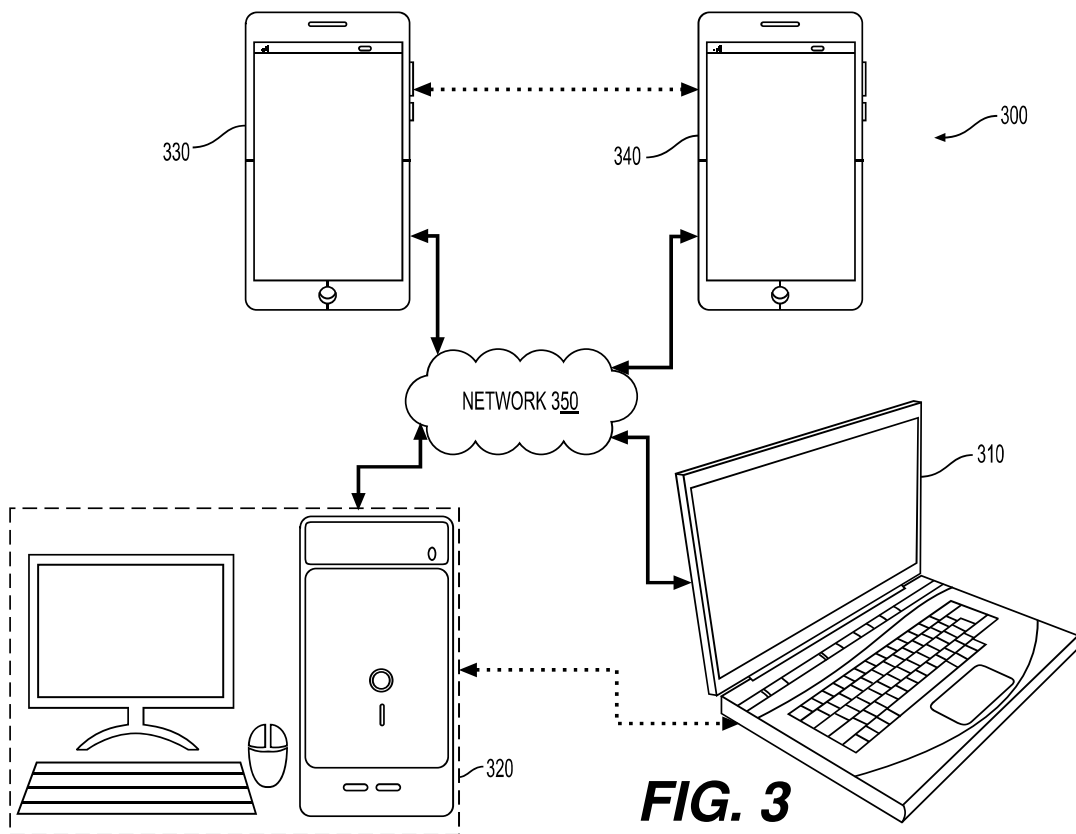
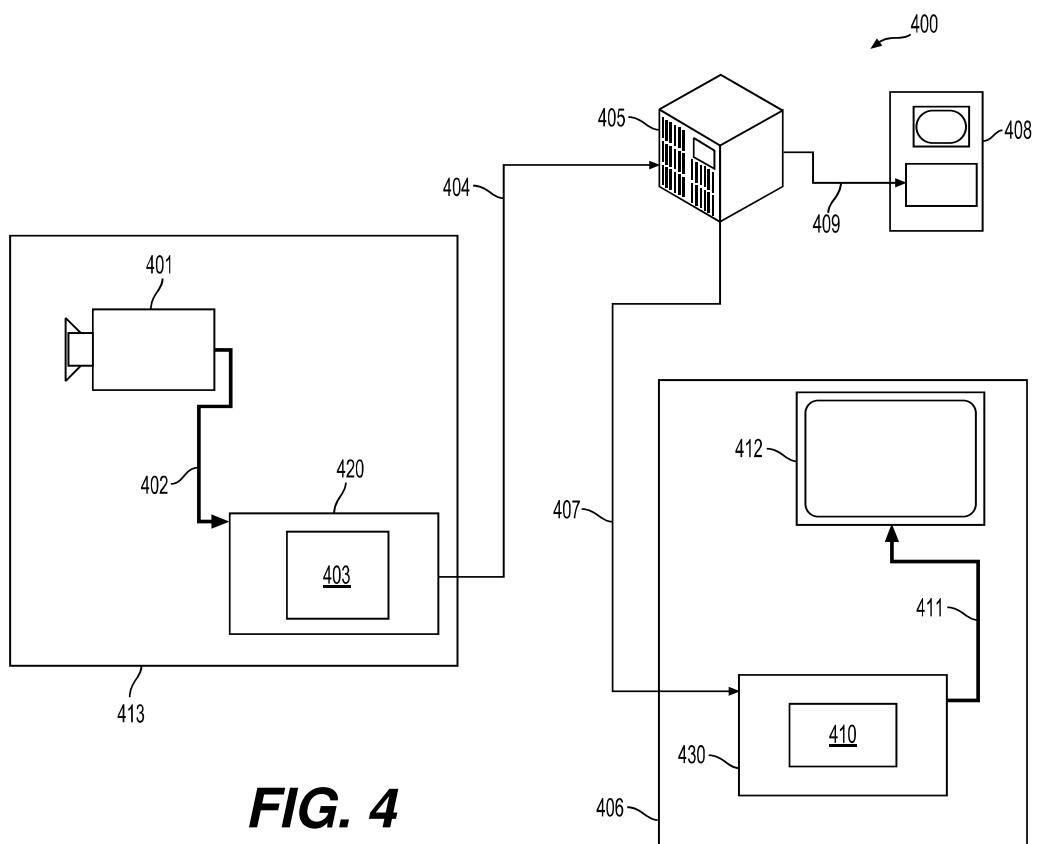


FIG. 3



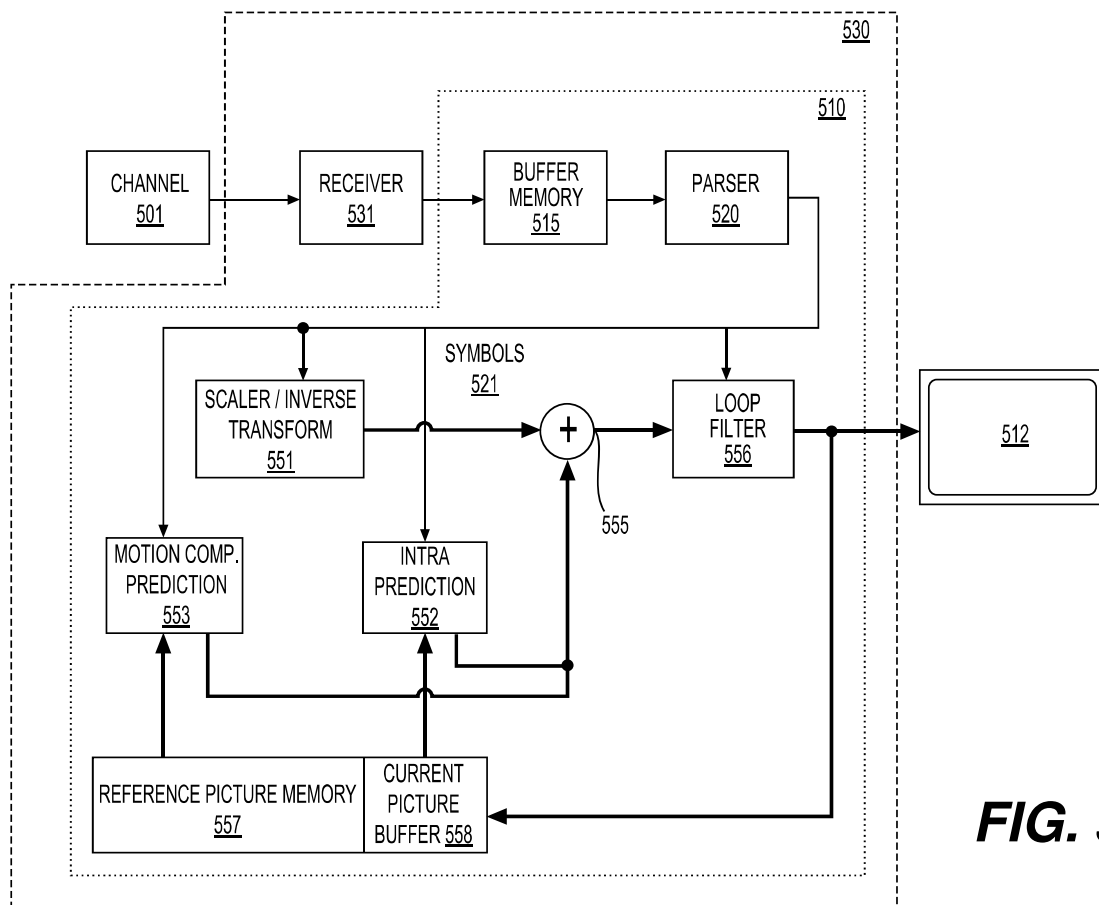
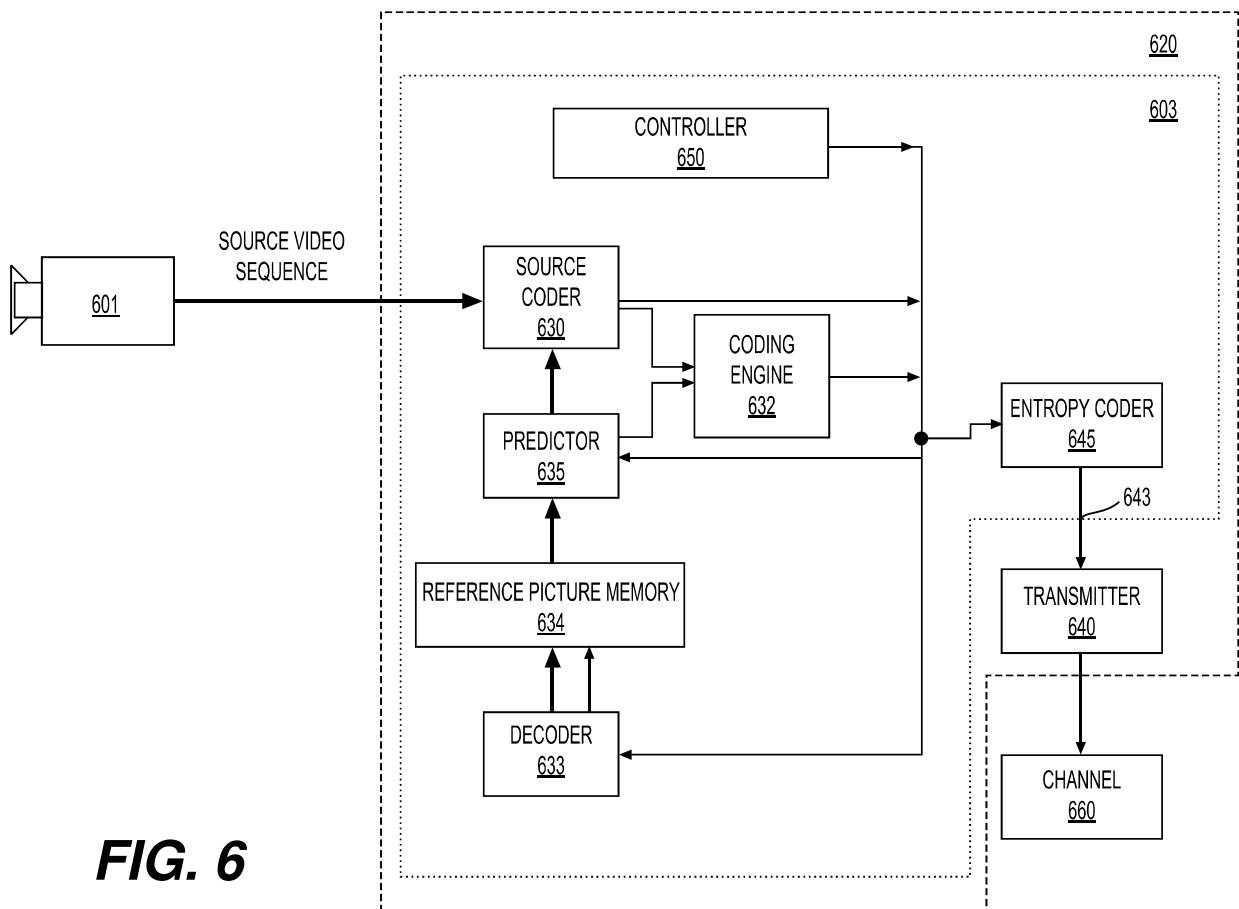
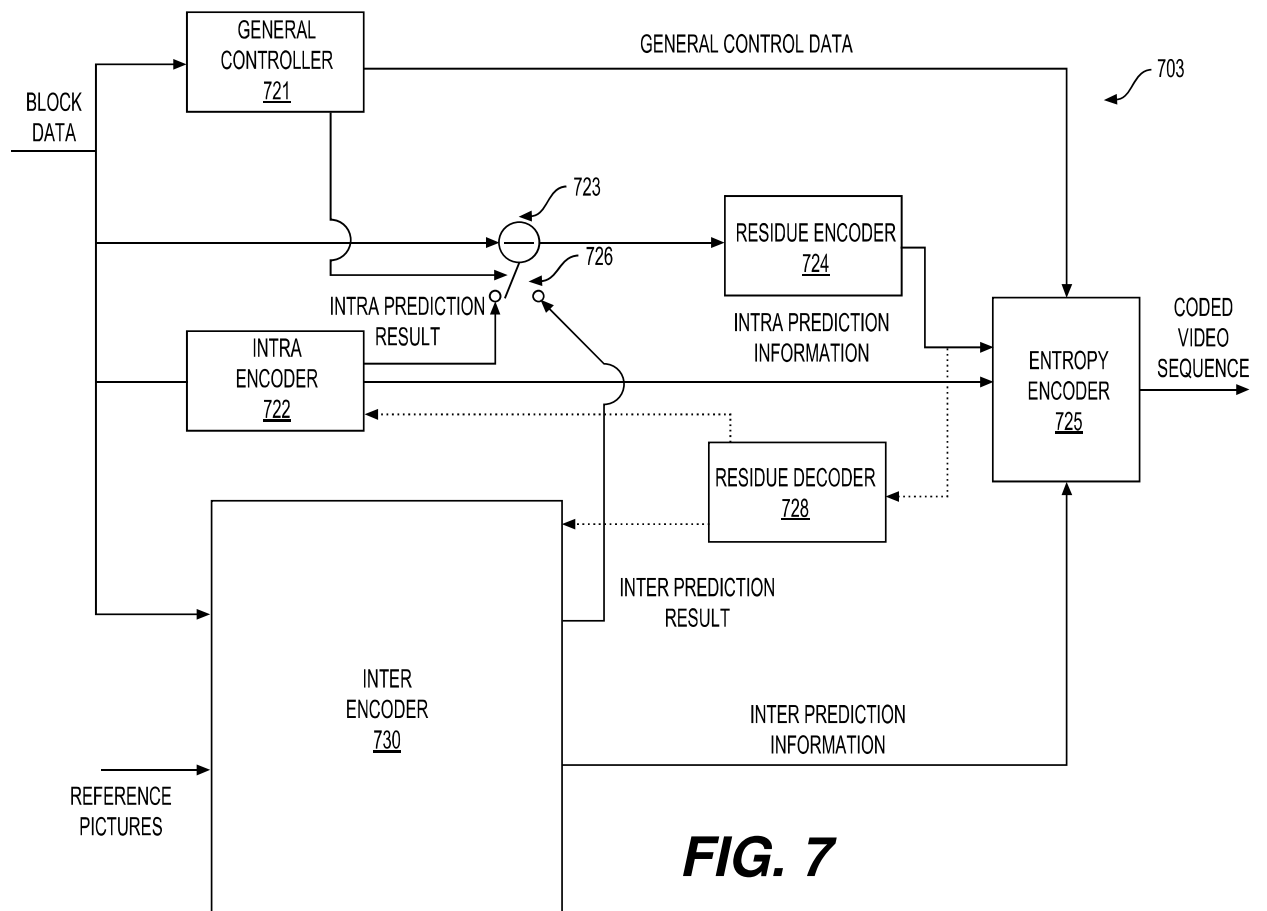
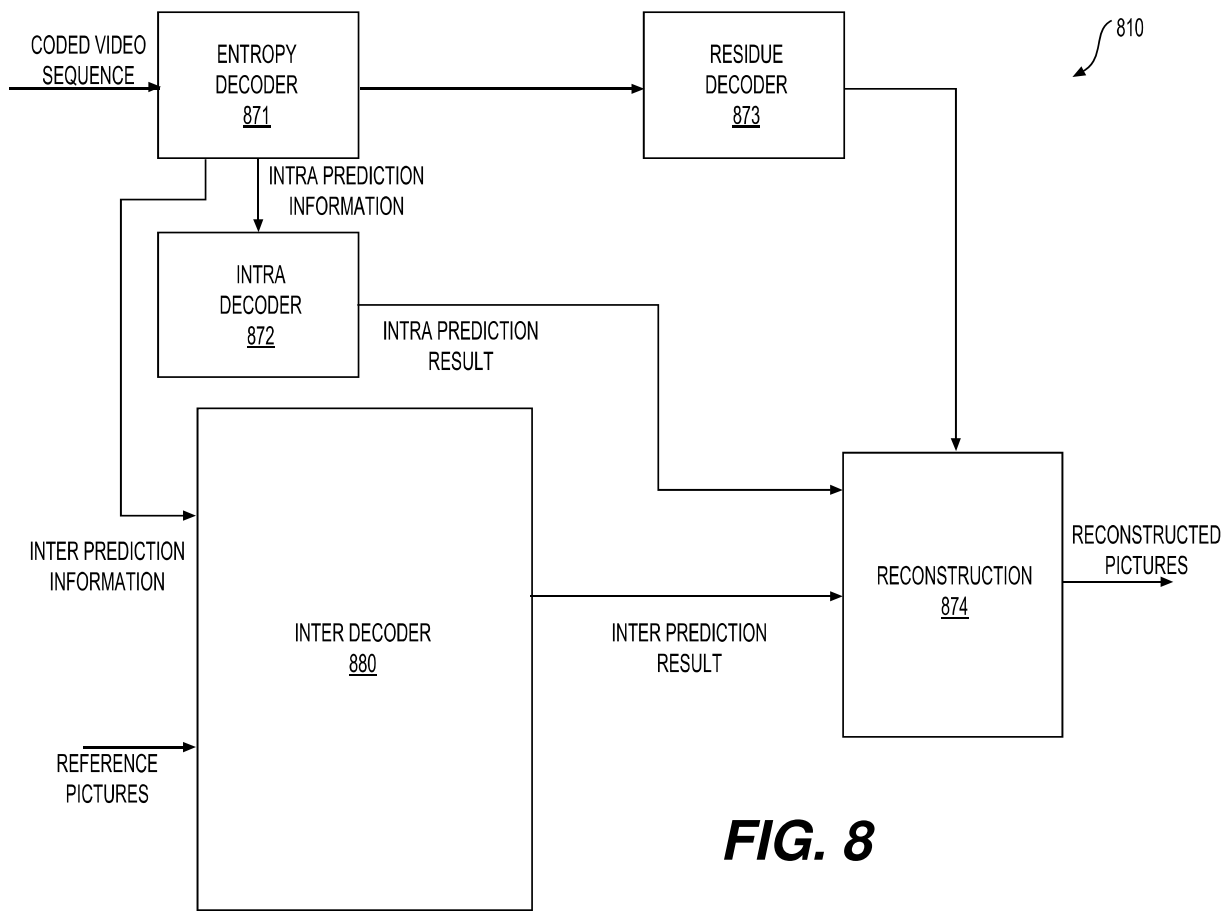


FIG. 5







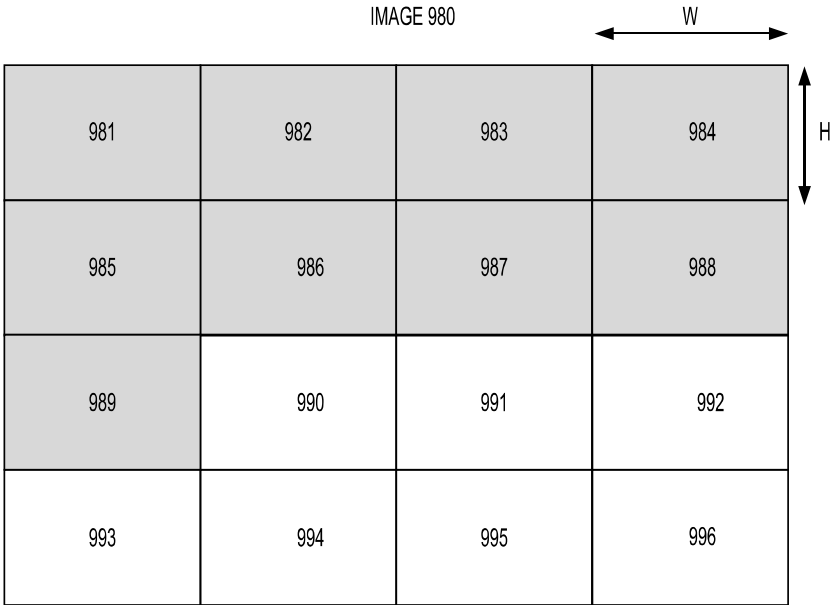


FIG. 9A

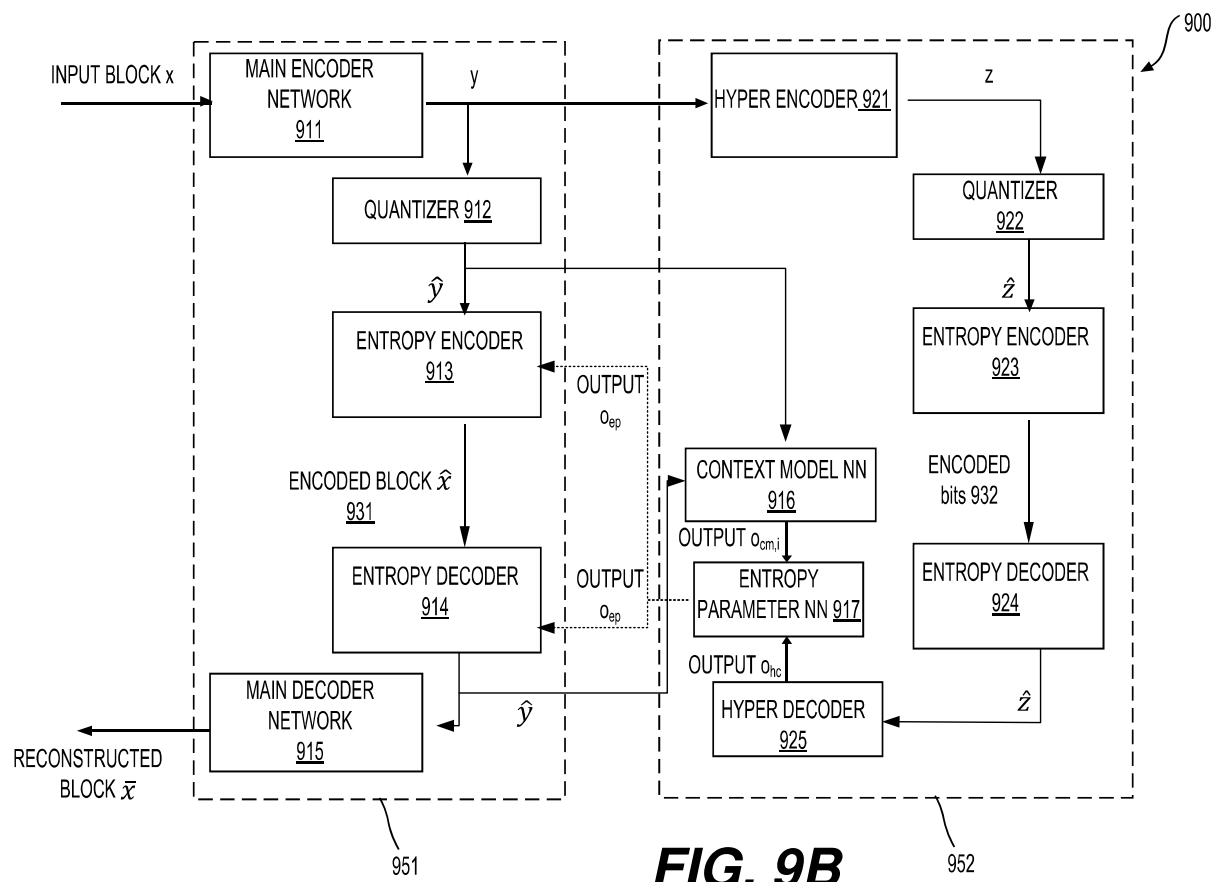


FIG. 10**Main encoder network**

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**

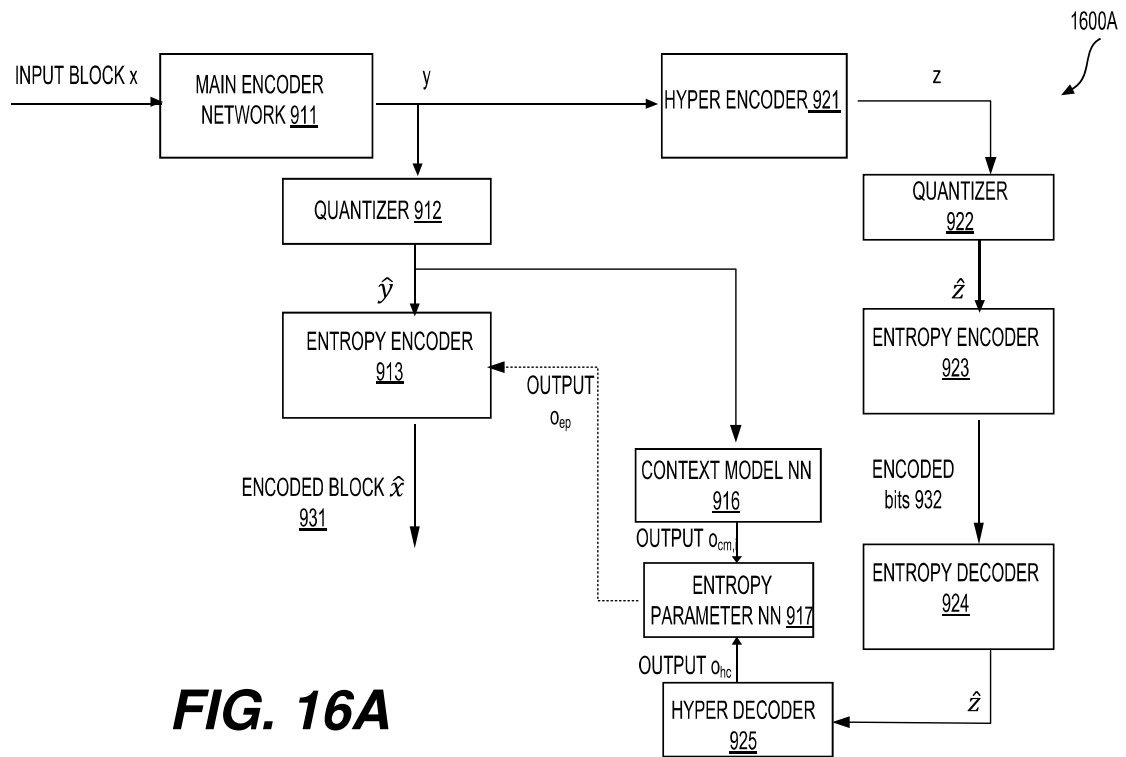
DeConv: 5x5 c192 s2
 Leaky ReLU
 DeConv: 5x5 c288 s2
 Leaky ReLU
 DeConv: 3x3 c384 s1

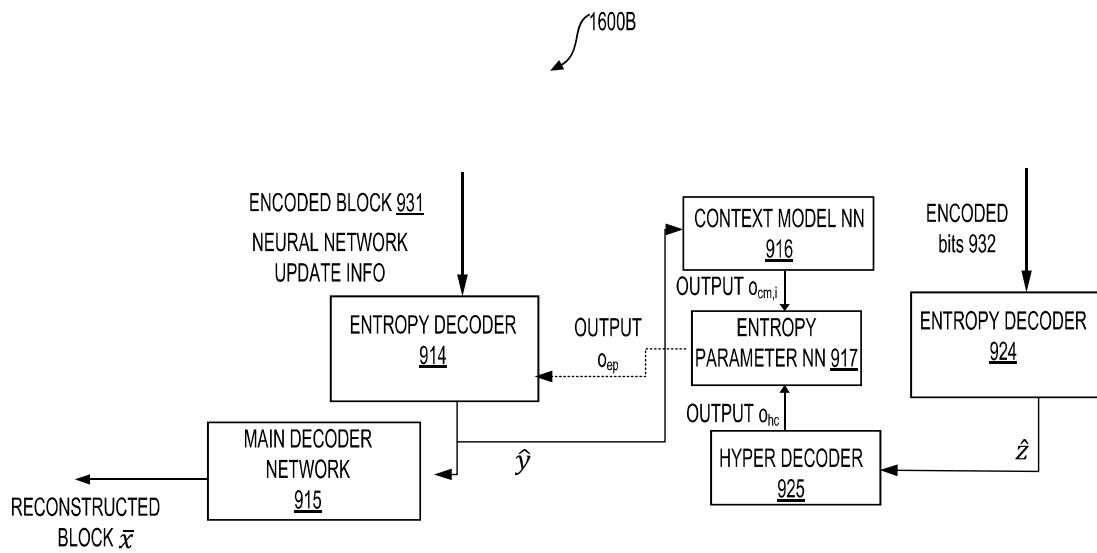
FIG. 14**Context model NN**

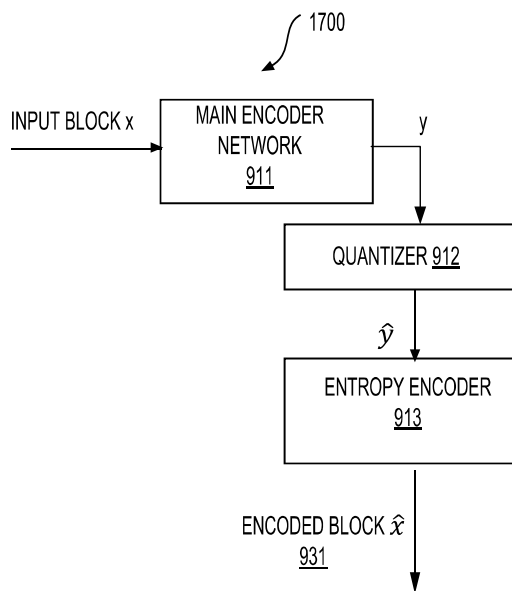
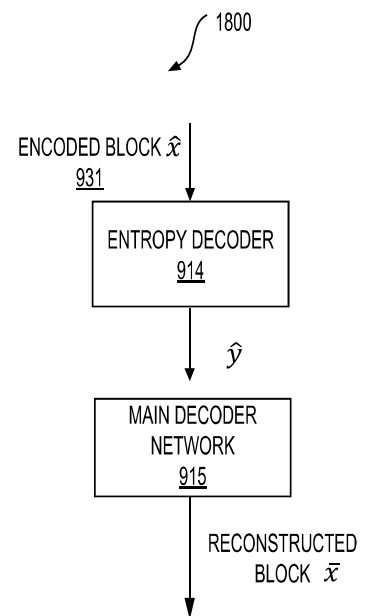
Masked: 5x5 c384 s1

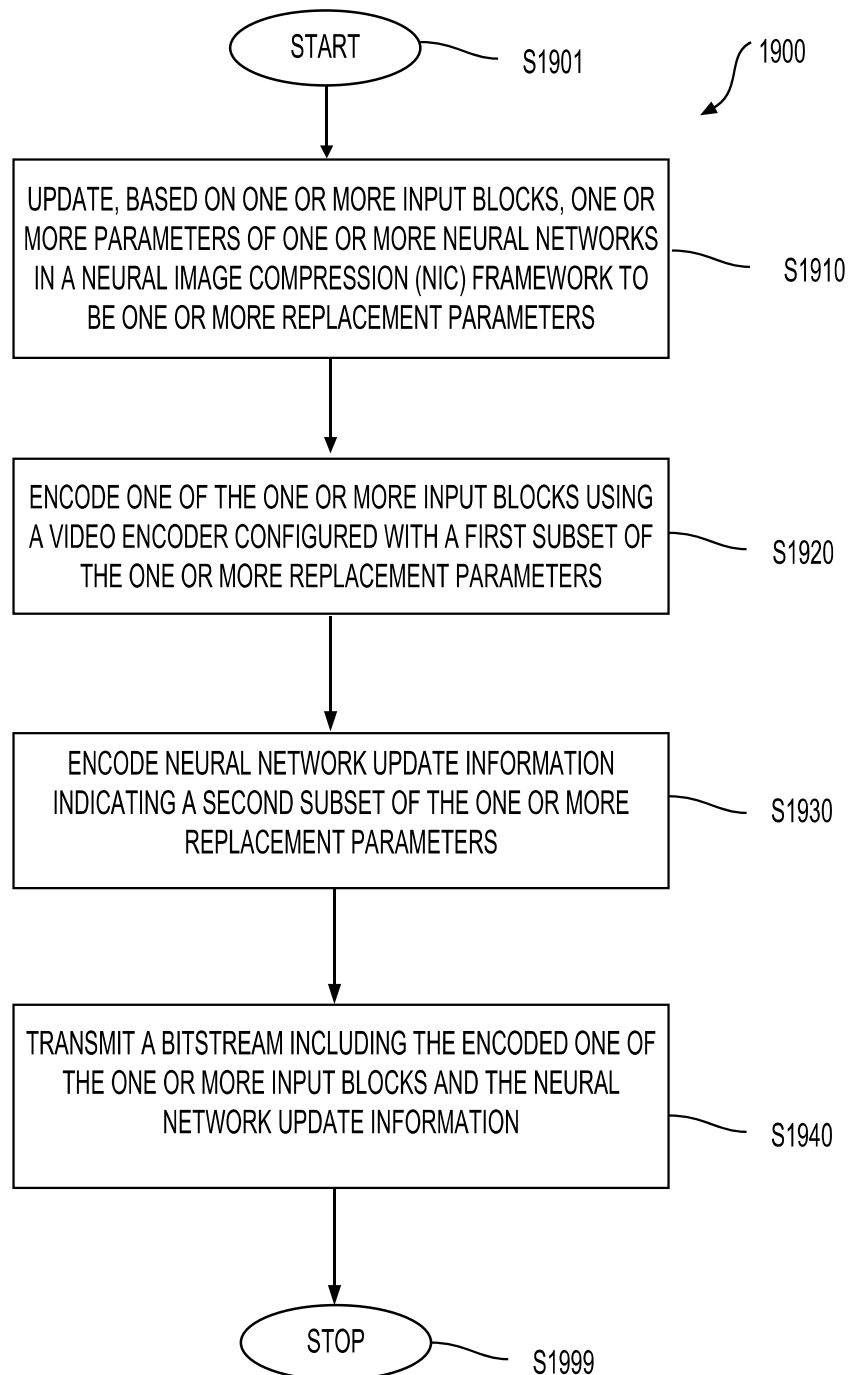
FIG. 15**Entropy parameter NN**

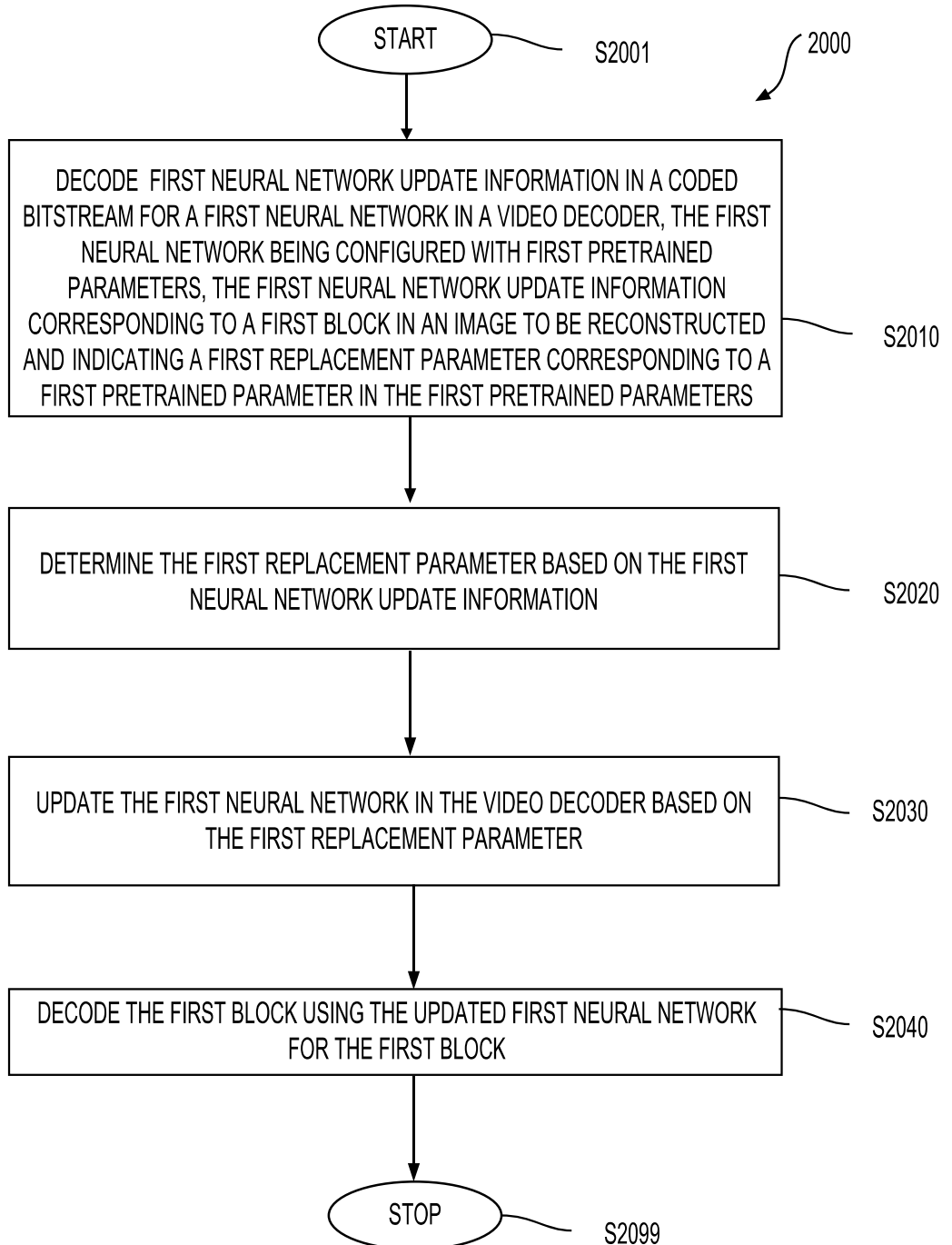
Conv: 1x1 c640 s1
 Leaky ReLU
 Conv: 1x1 c512 s1
 Leaky ReLU
 Conv: 1x1 c384 s1

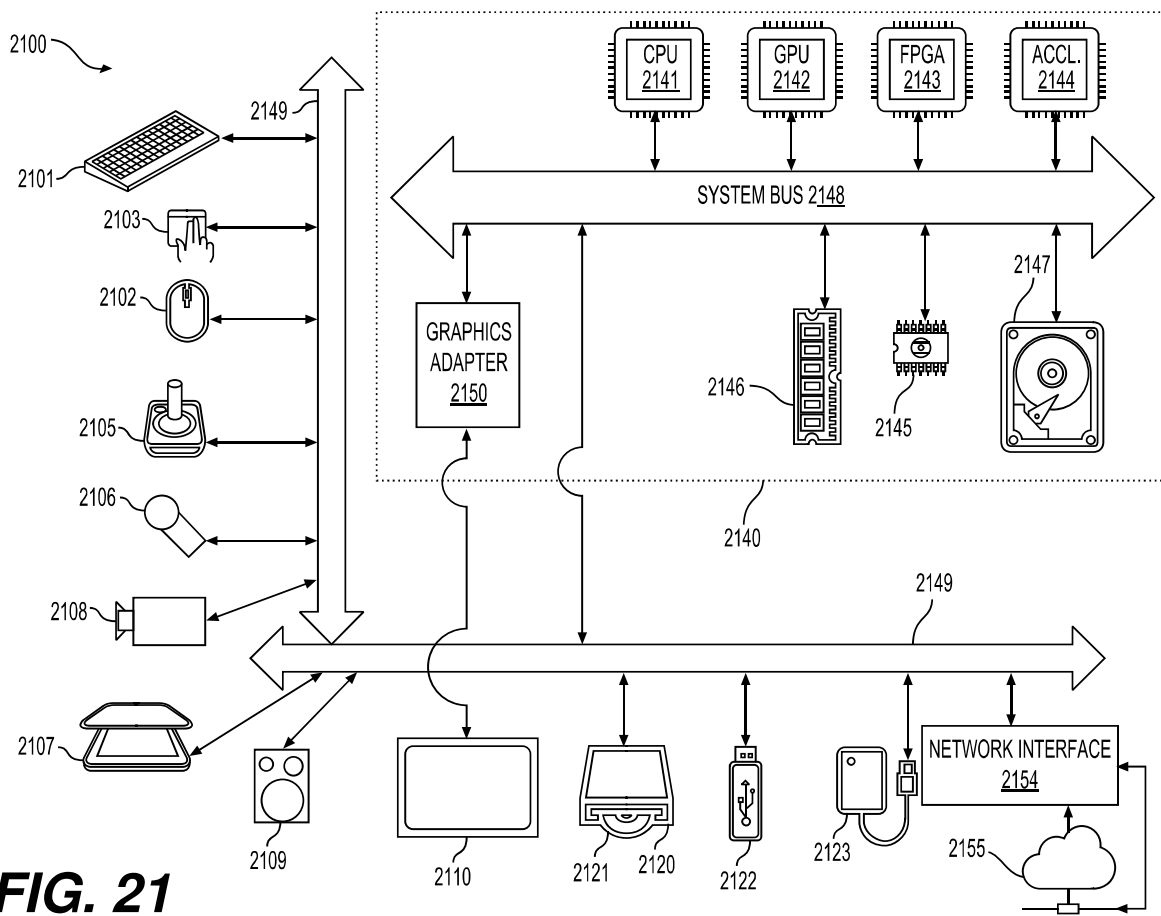


**FIG. 16B**

**FIG. 17****FIG. 18**

**FIG. 19**

**FIG. 20**

**FIG. 21**