

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

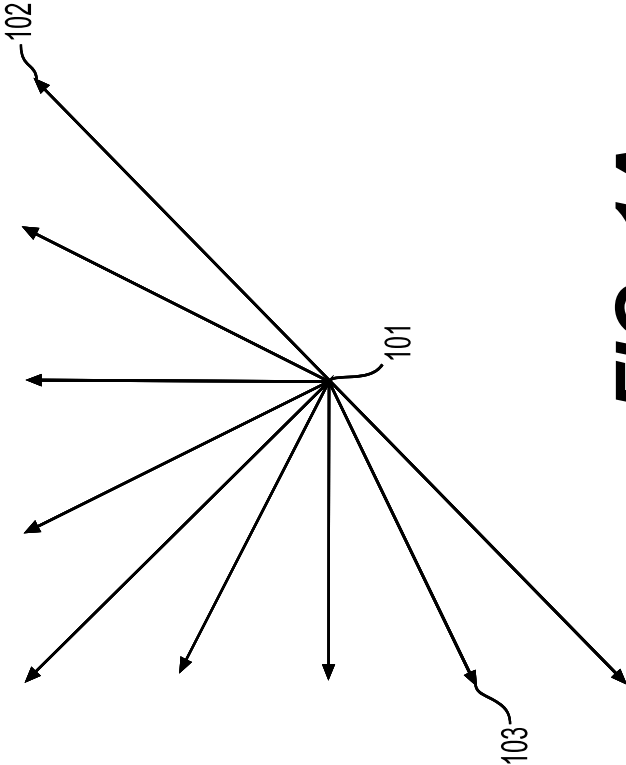
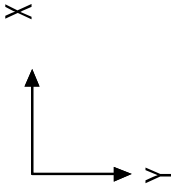


FIG. 1A

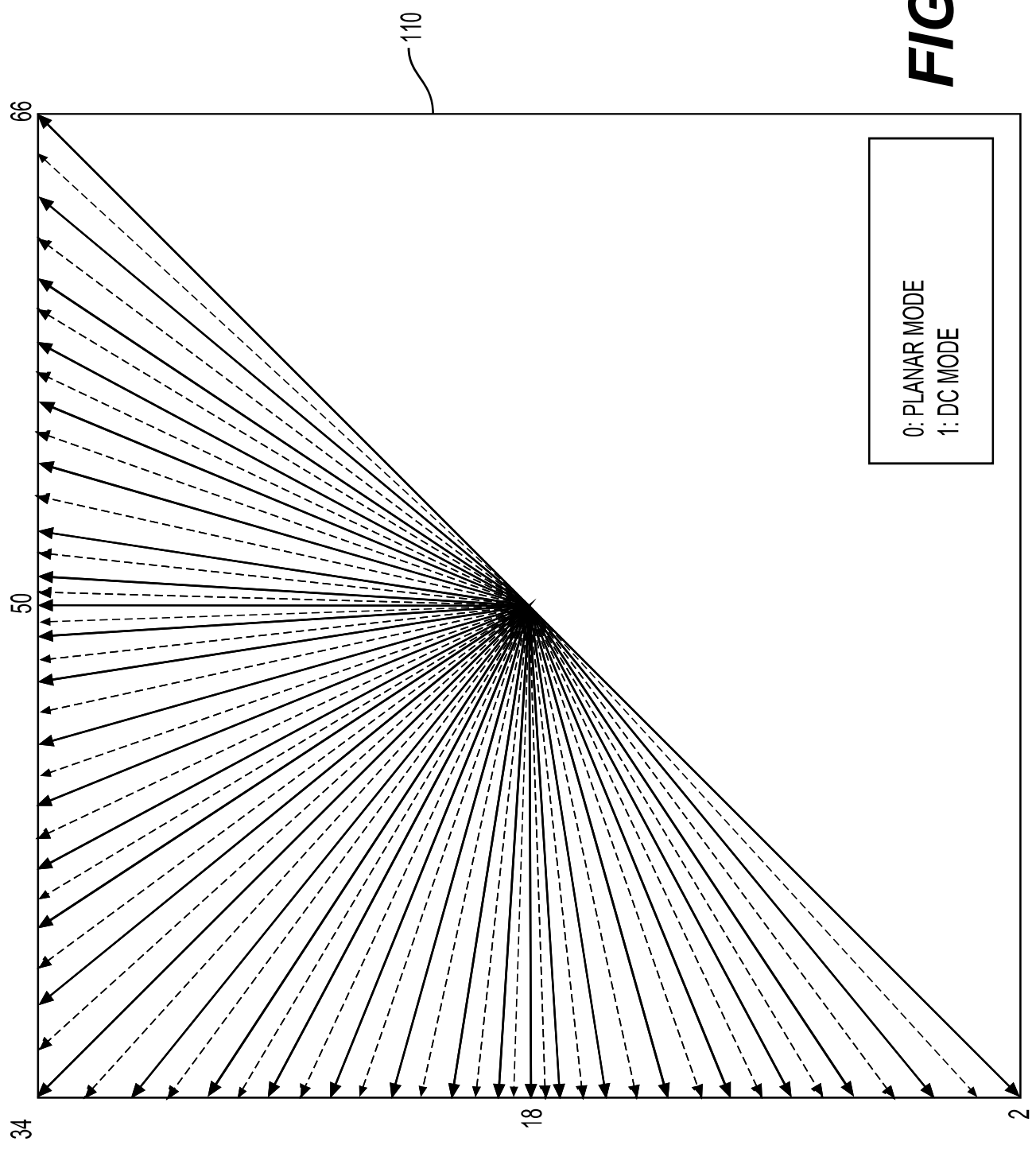


FIG. 1B

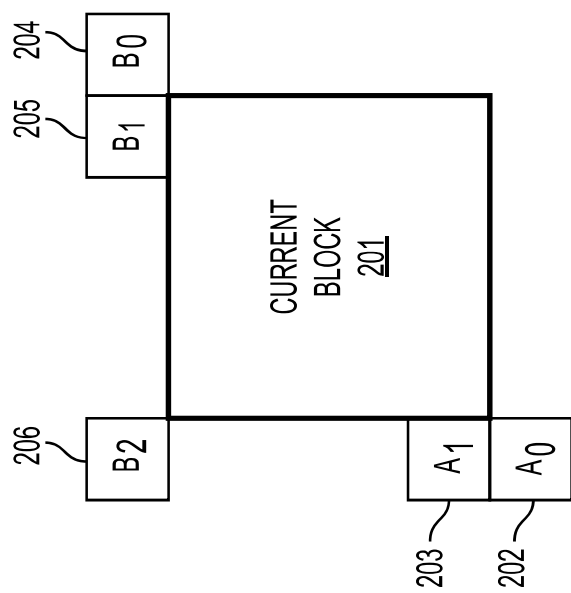


FIG. 2
(Related Art)

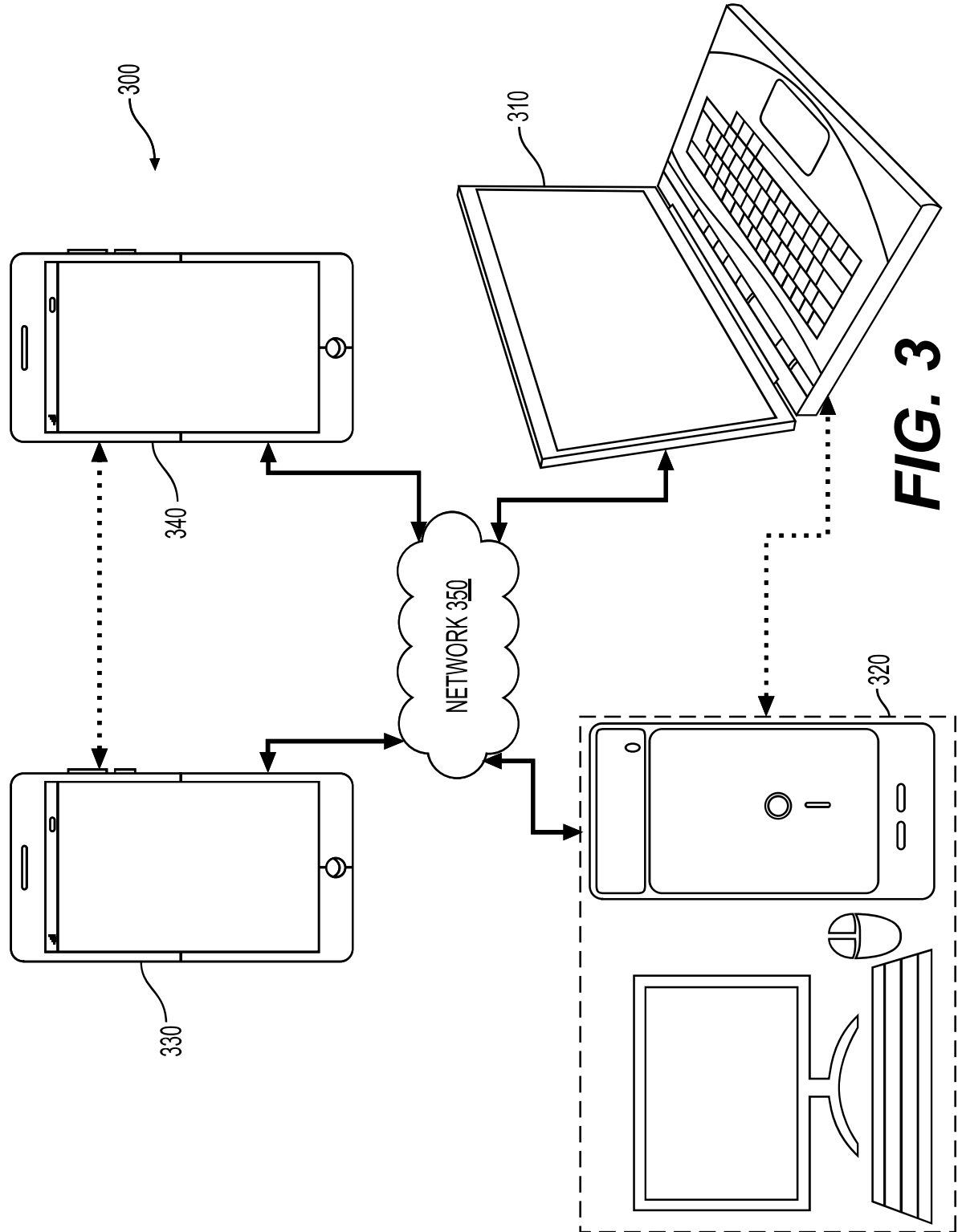


FIG. 3

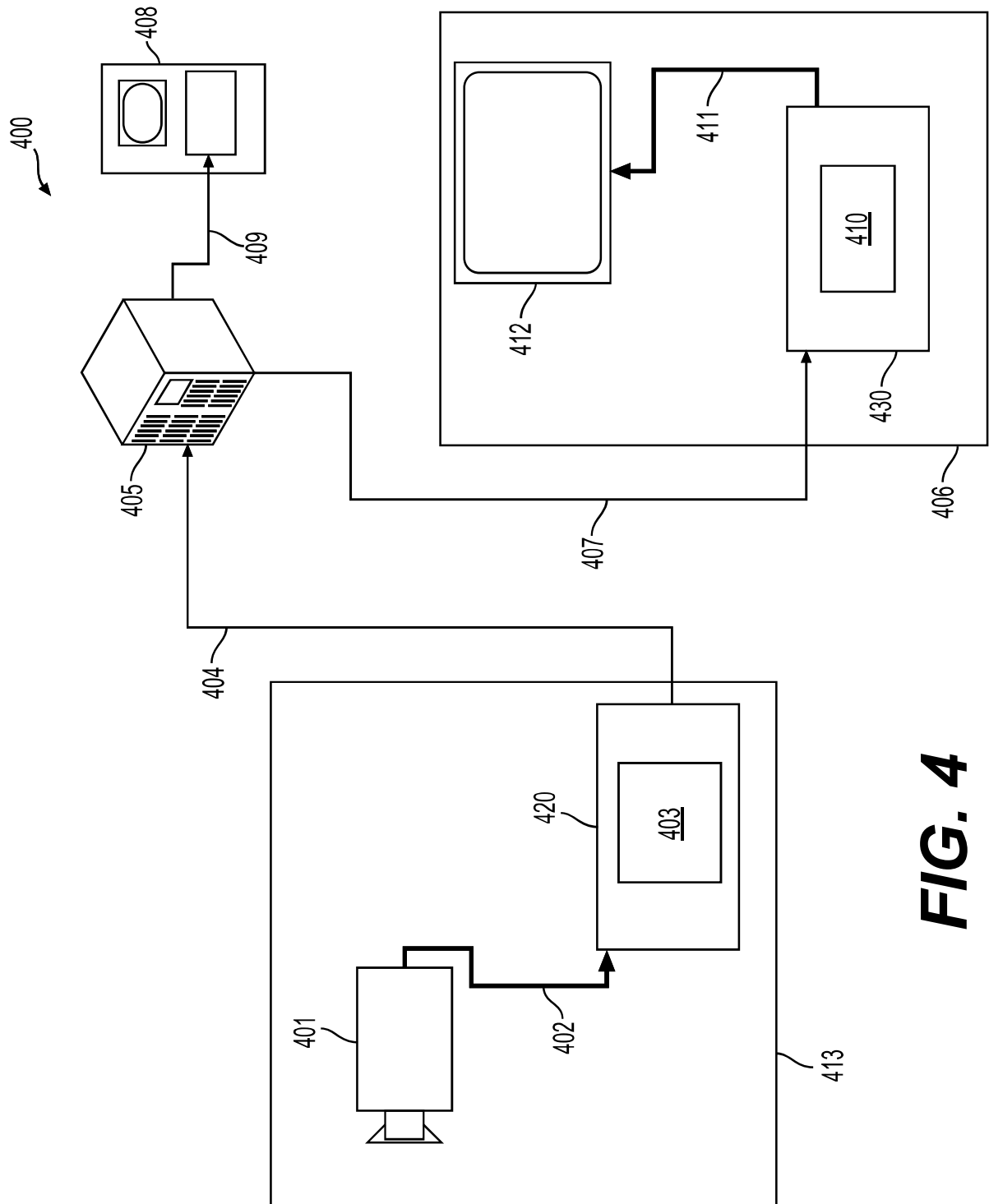
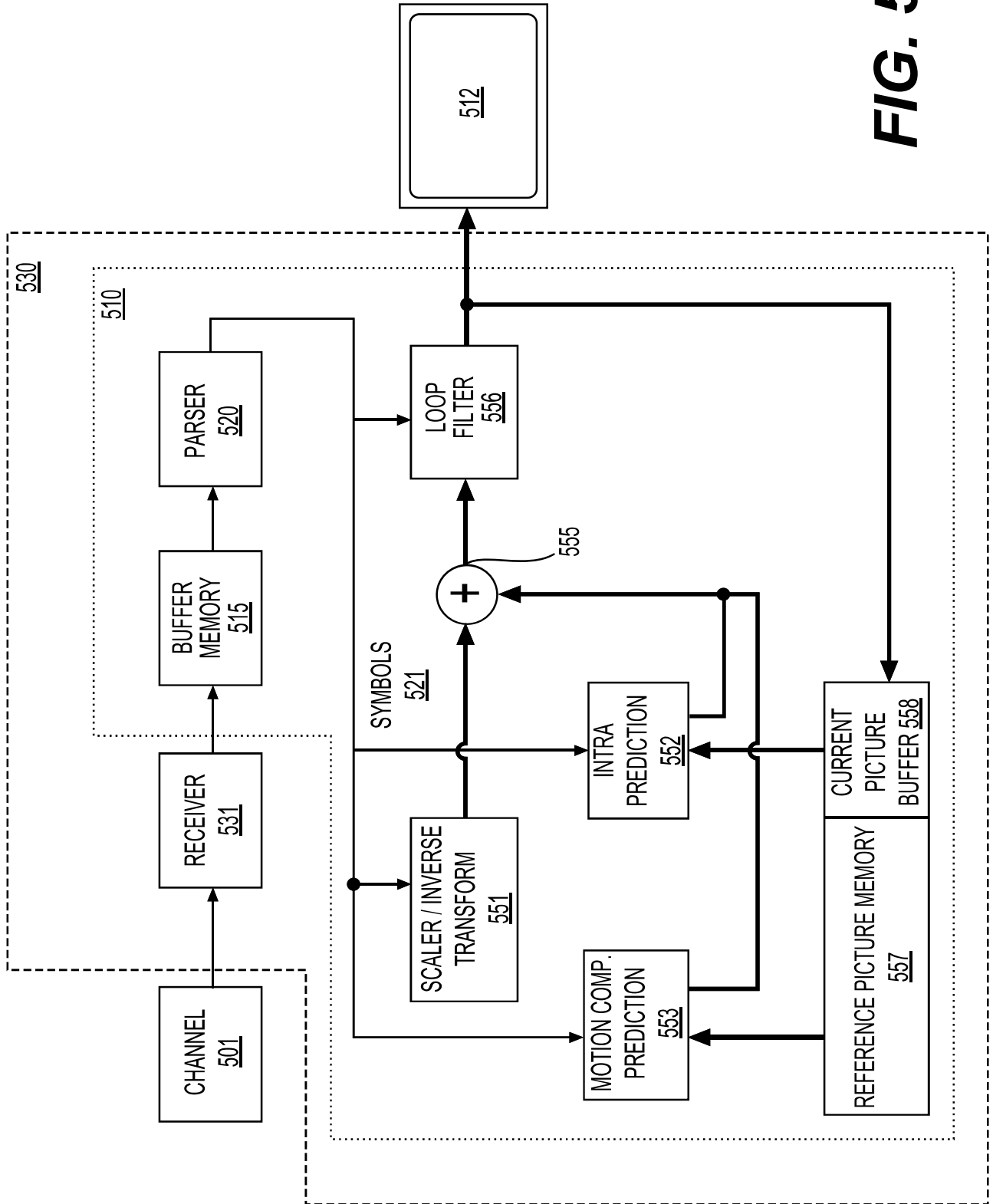
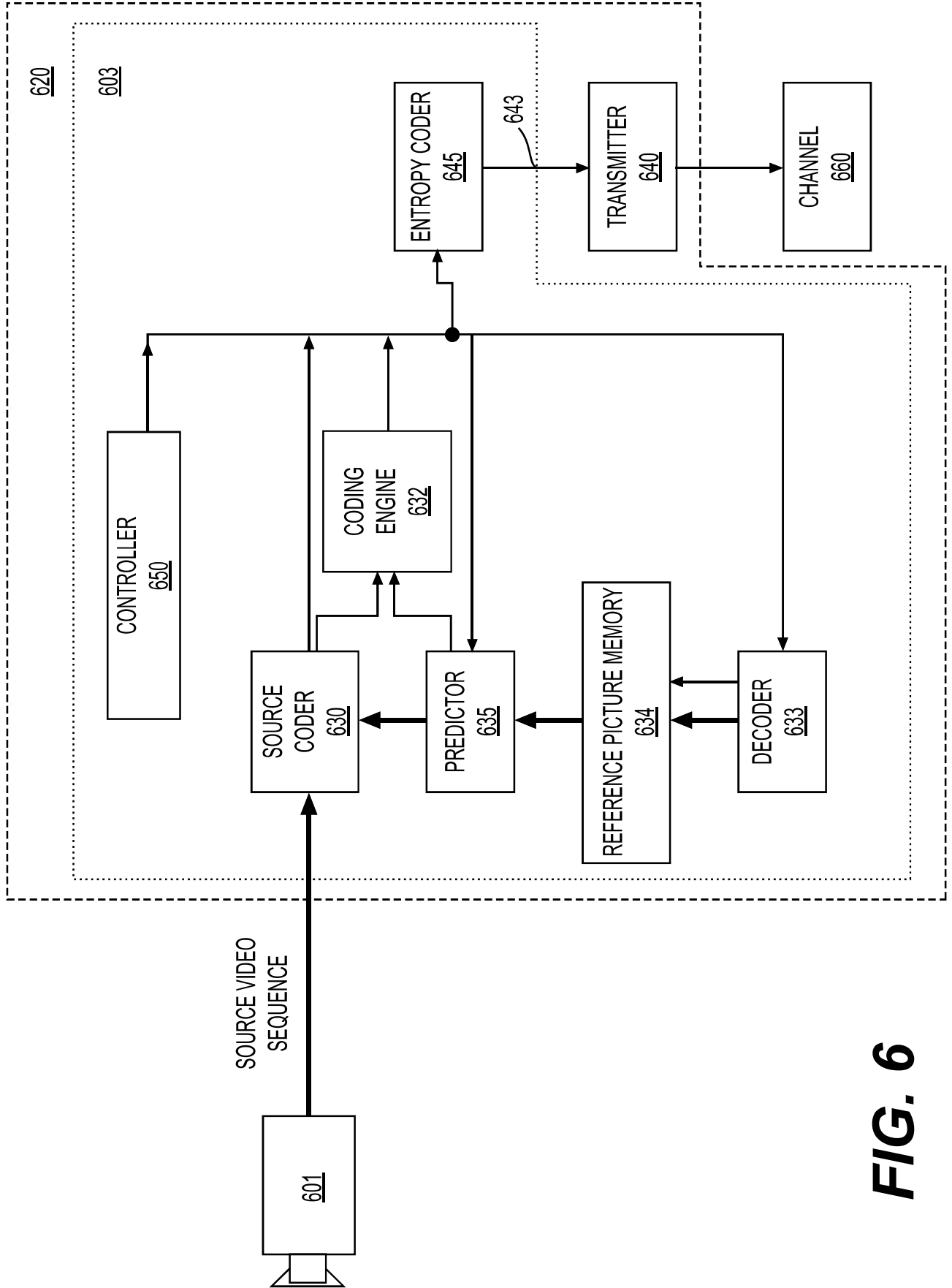


FIG. 4

**FIG. 5**

**FIG. 6**

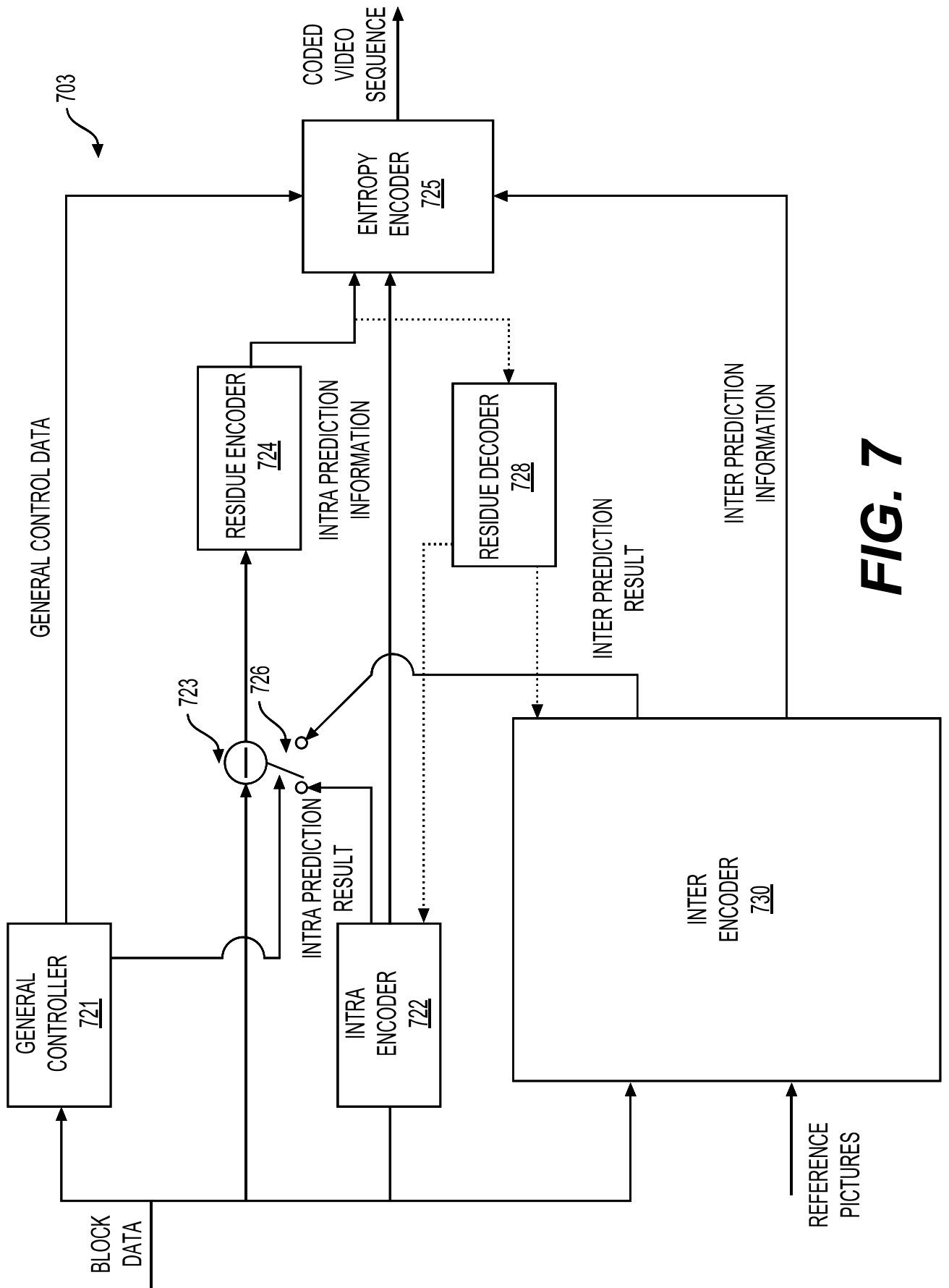


FIG. 7

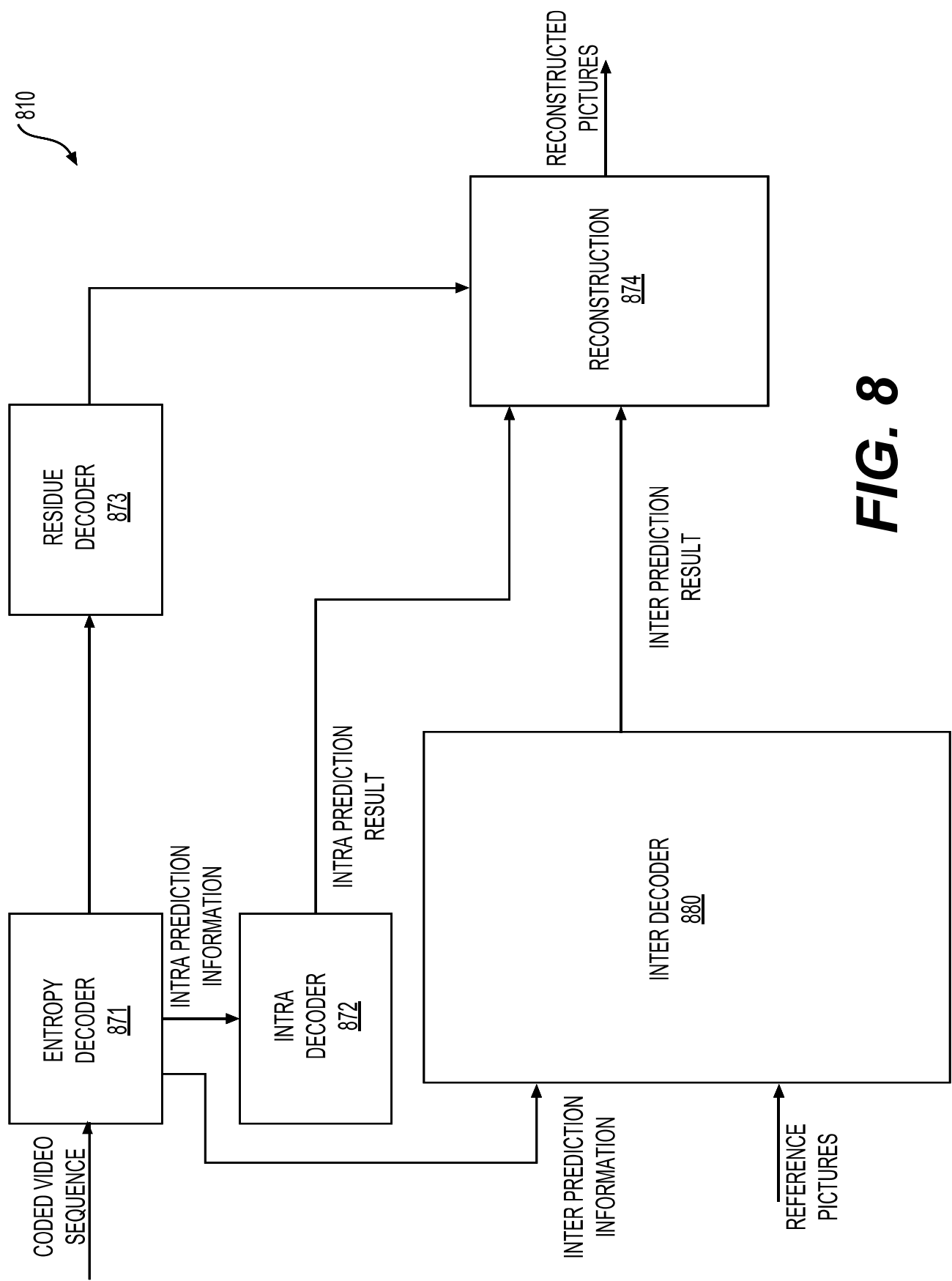


FIG. 8

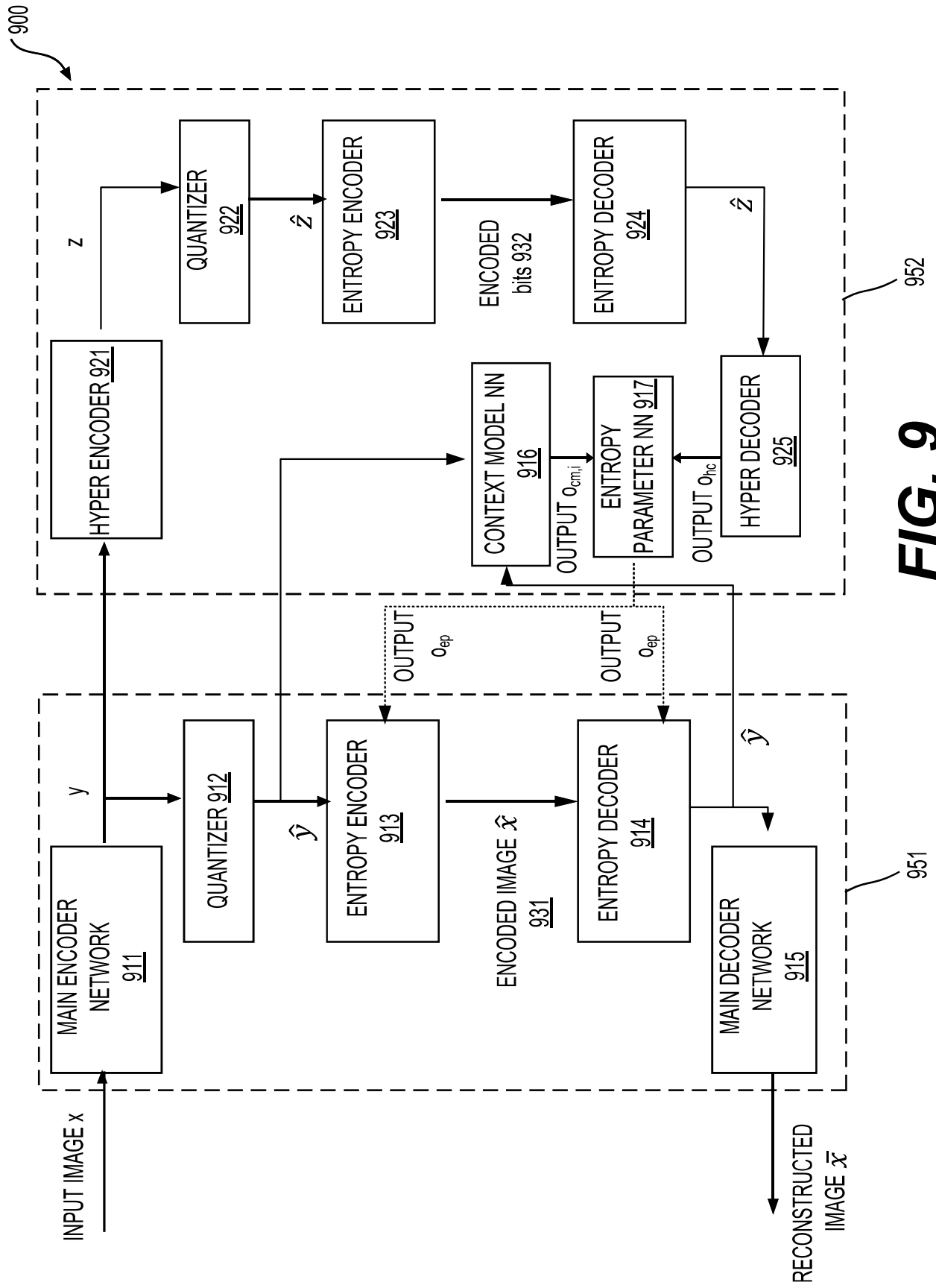


FIG. 9

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

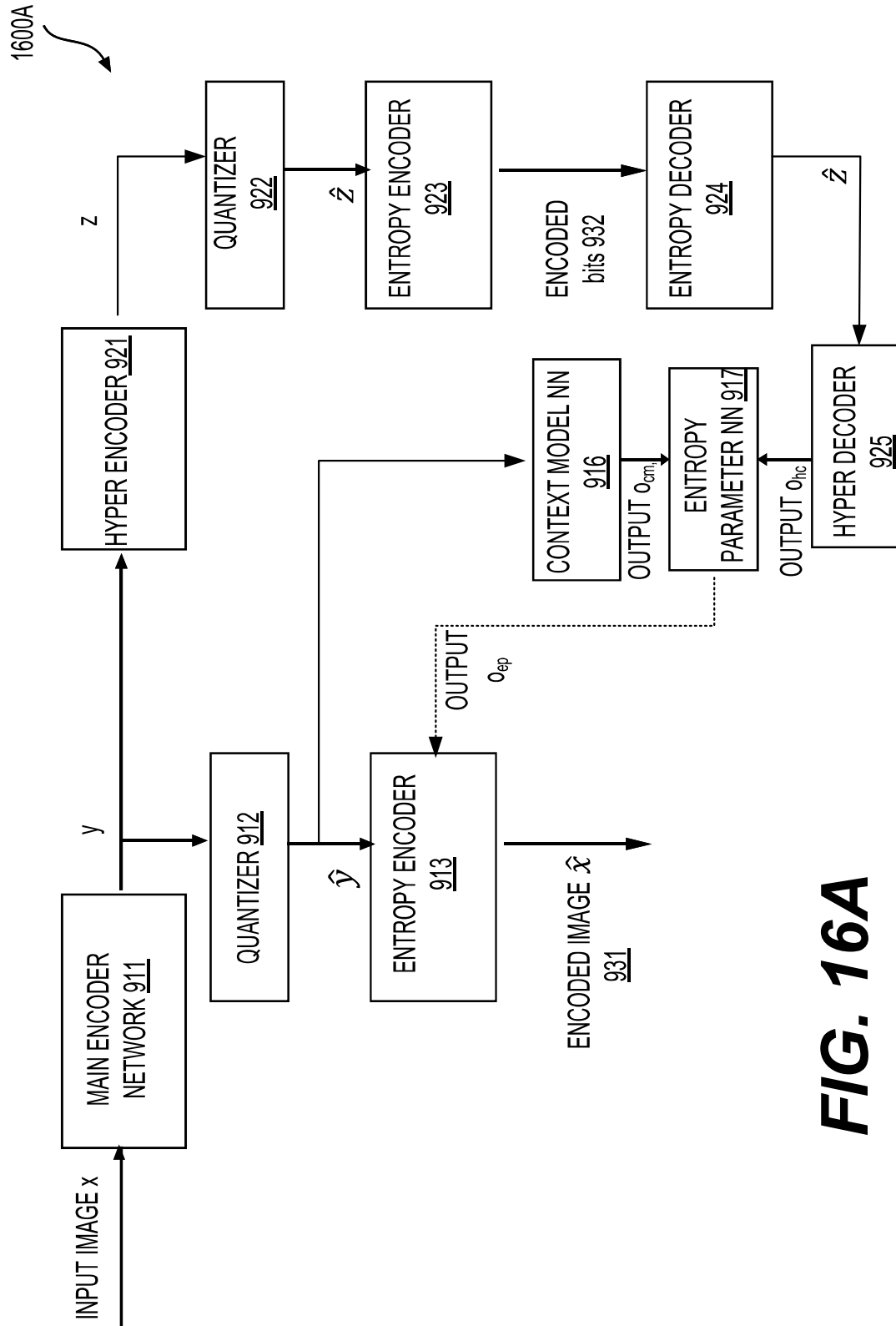
FIG. 15

Entropy parameter NN

Conv: 1x1 c640 s1
Leaky ReLU

Conv: 1x1 c512 s1
Leaky ReLU

Conv: 1x1 c384 s1



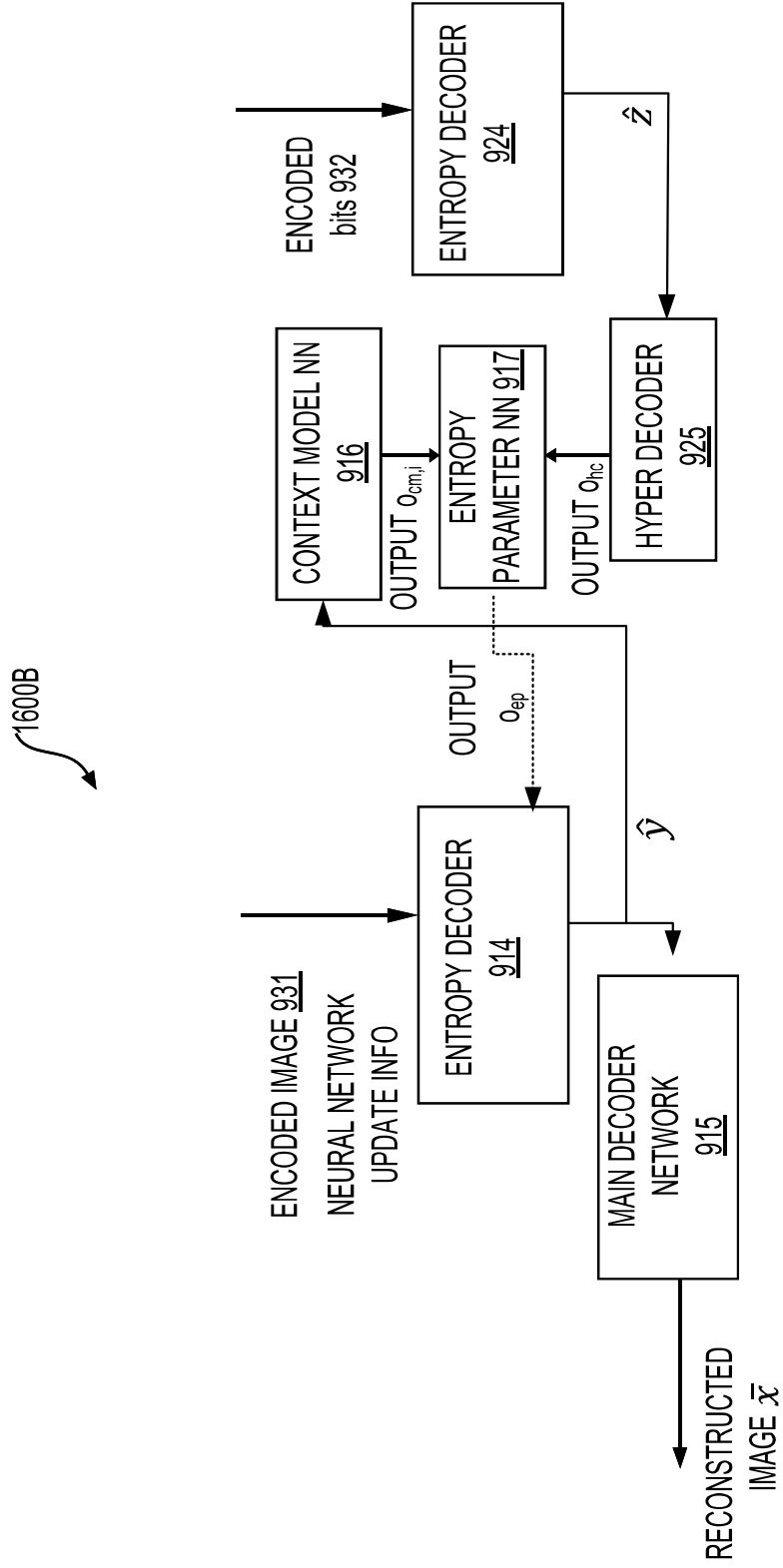


FIG. 16B

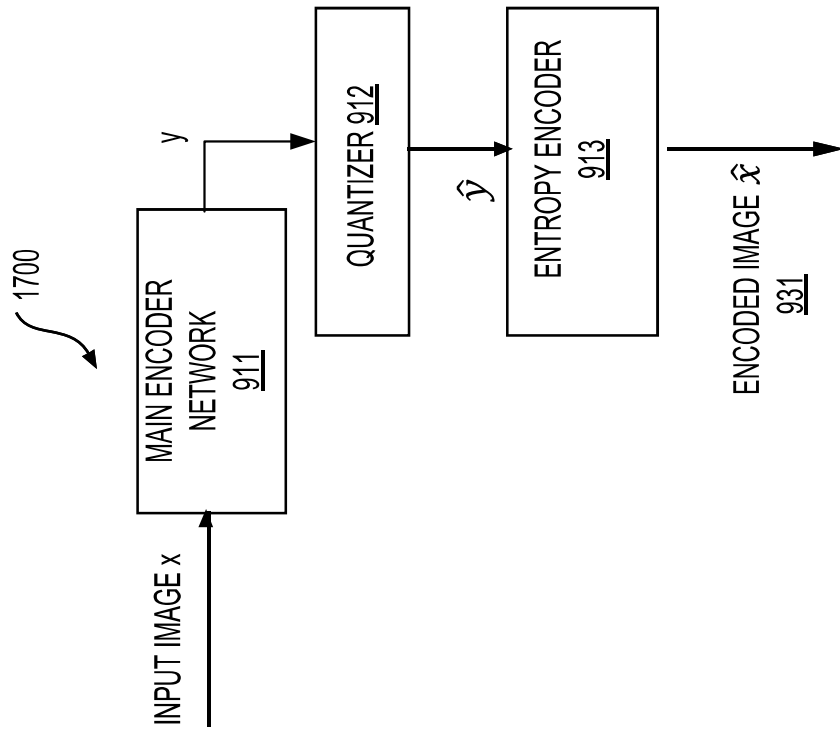


FIG. 17

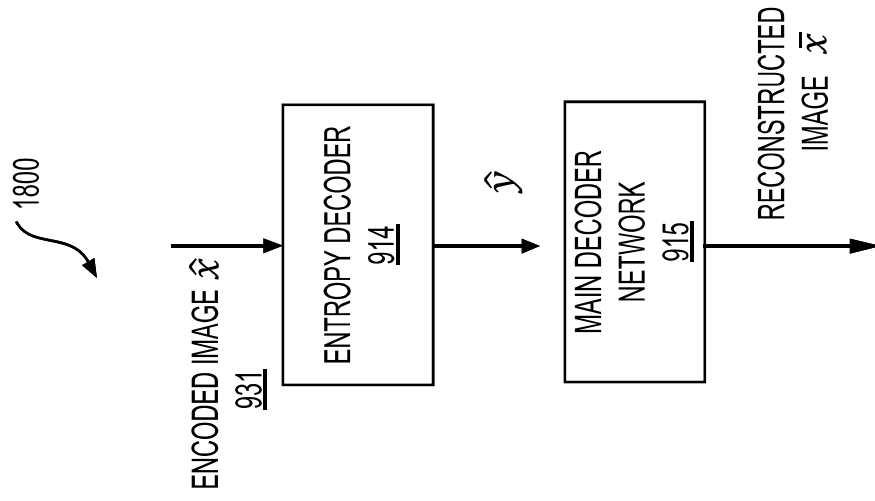


FIG. 18

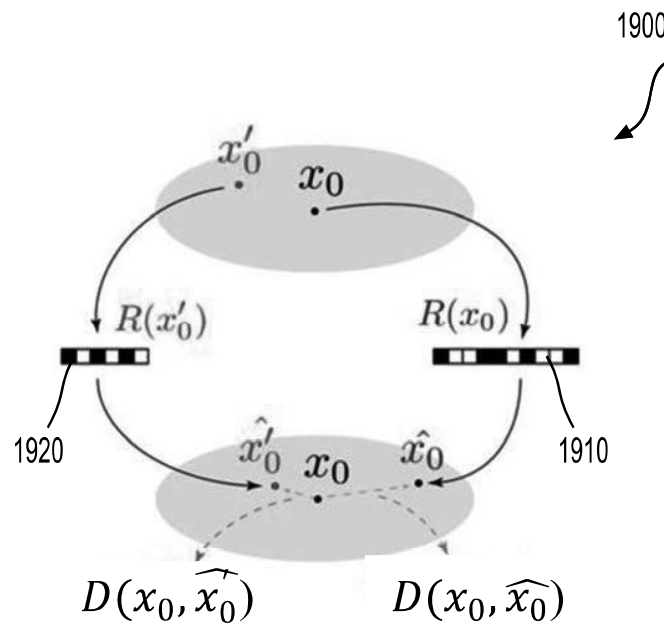
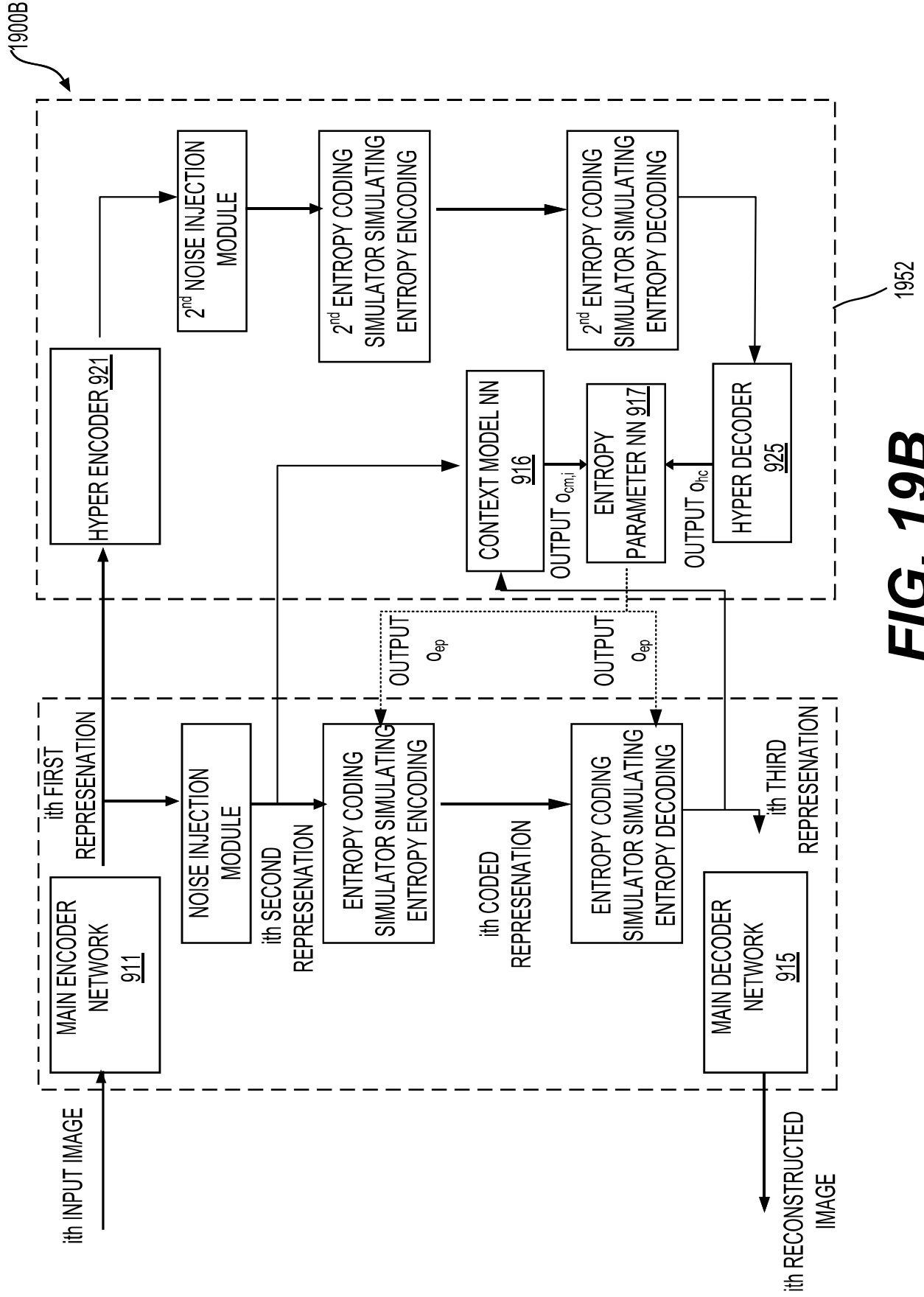
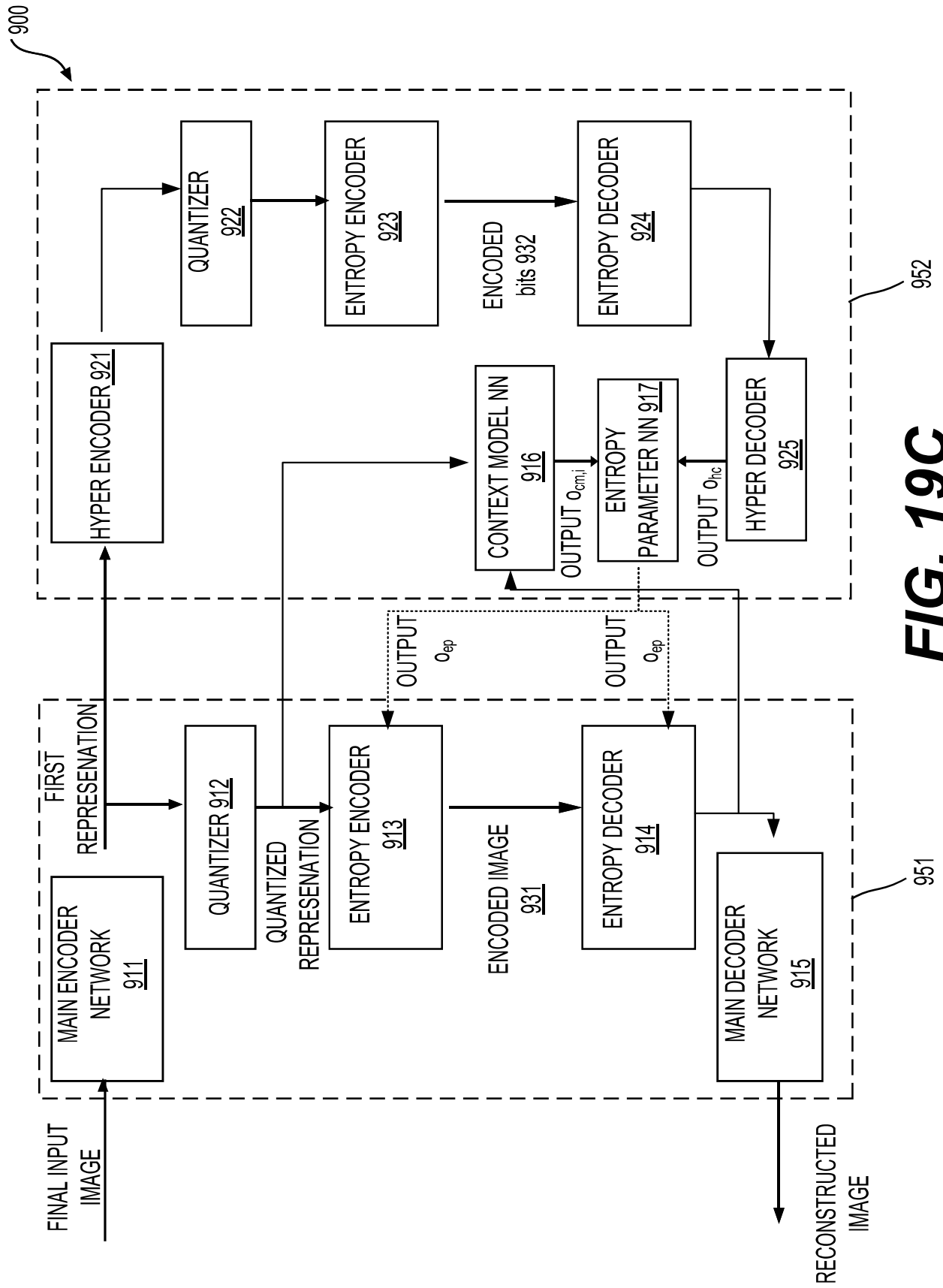
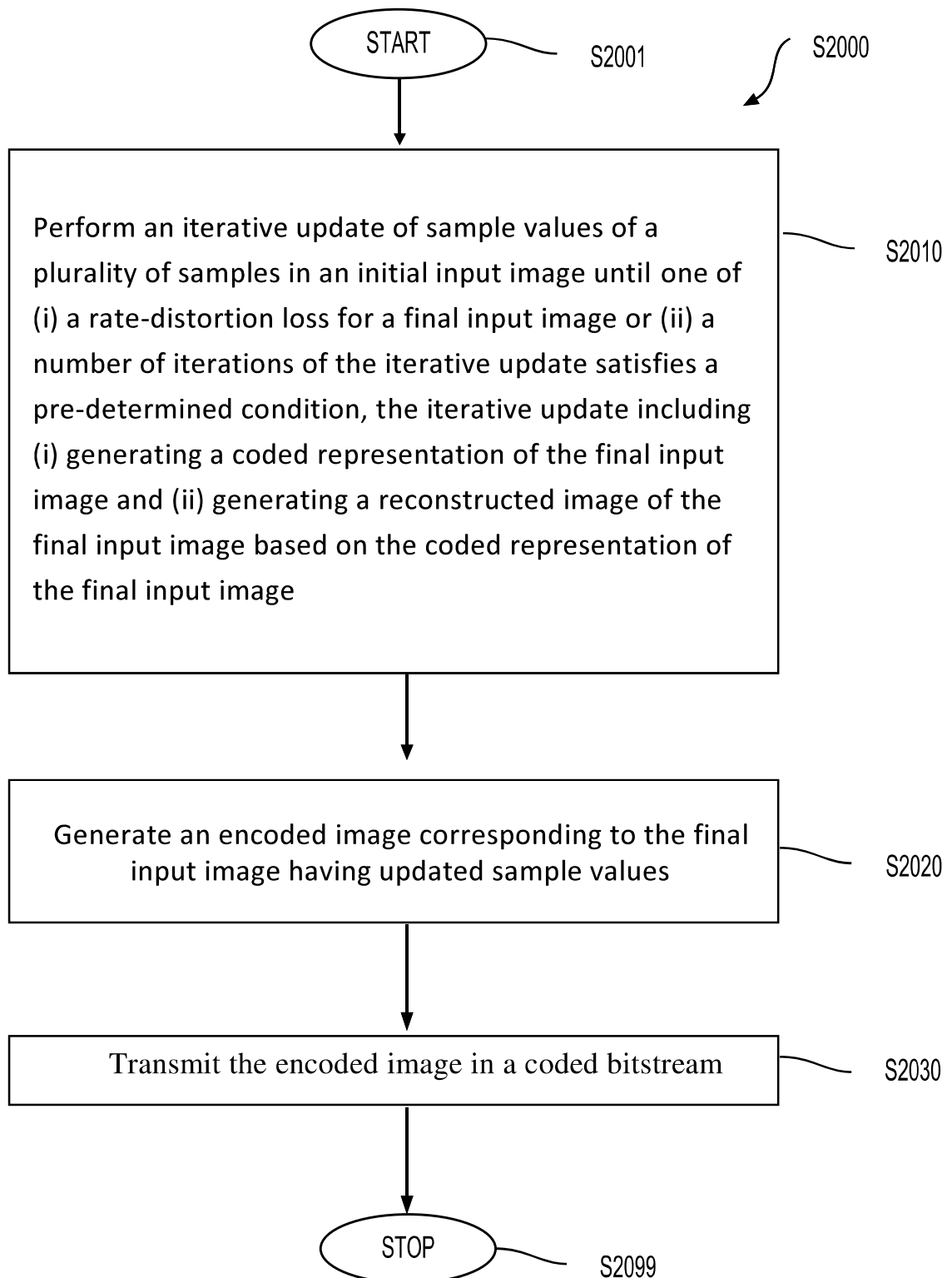


FIG. 19A





**FIG. 20**

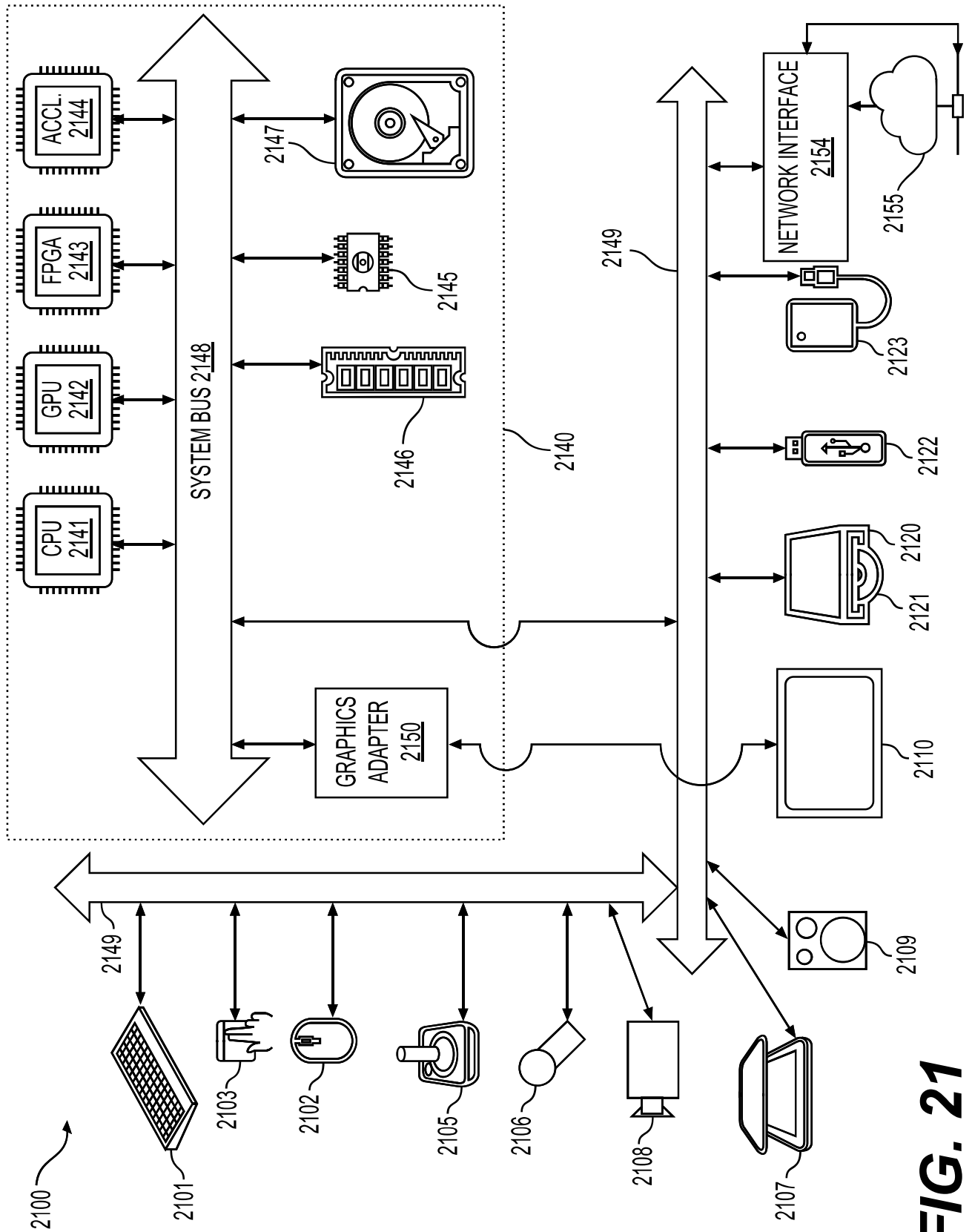


FIG. 21