

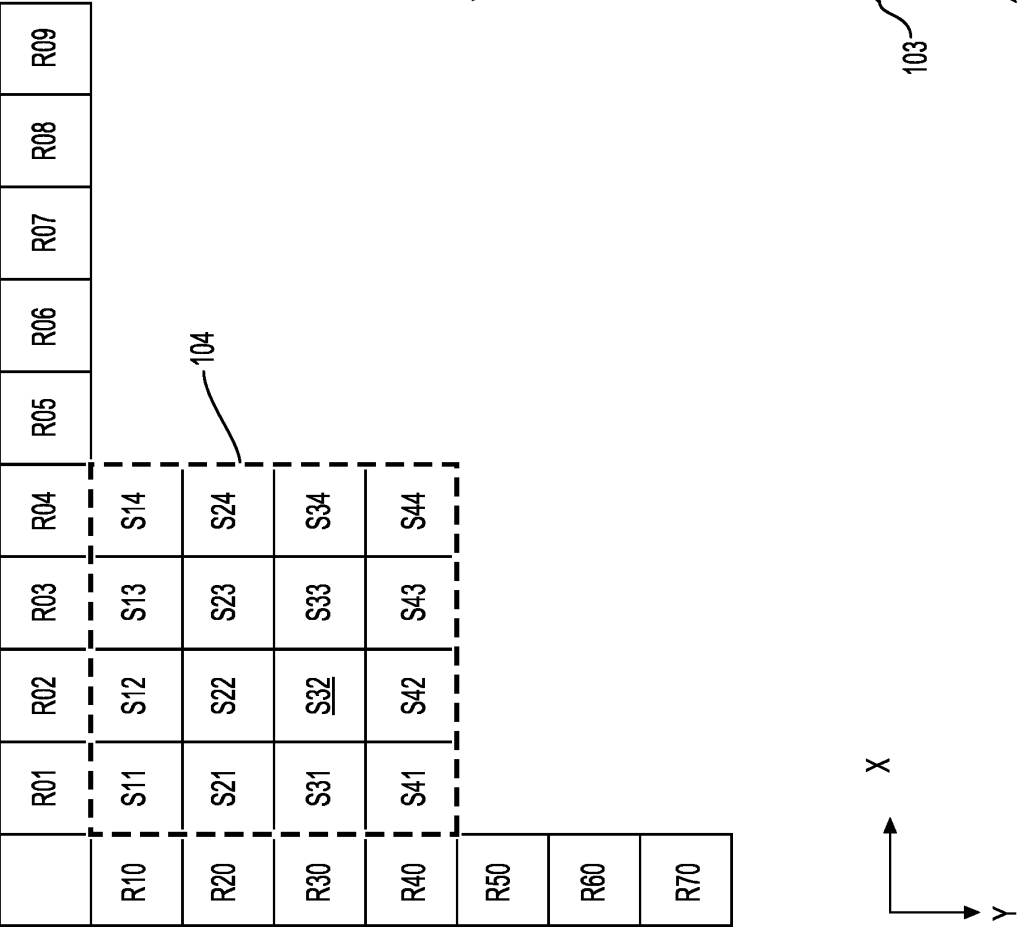


FIG. 1A

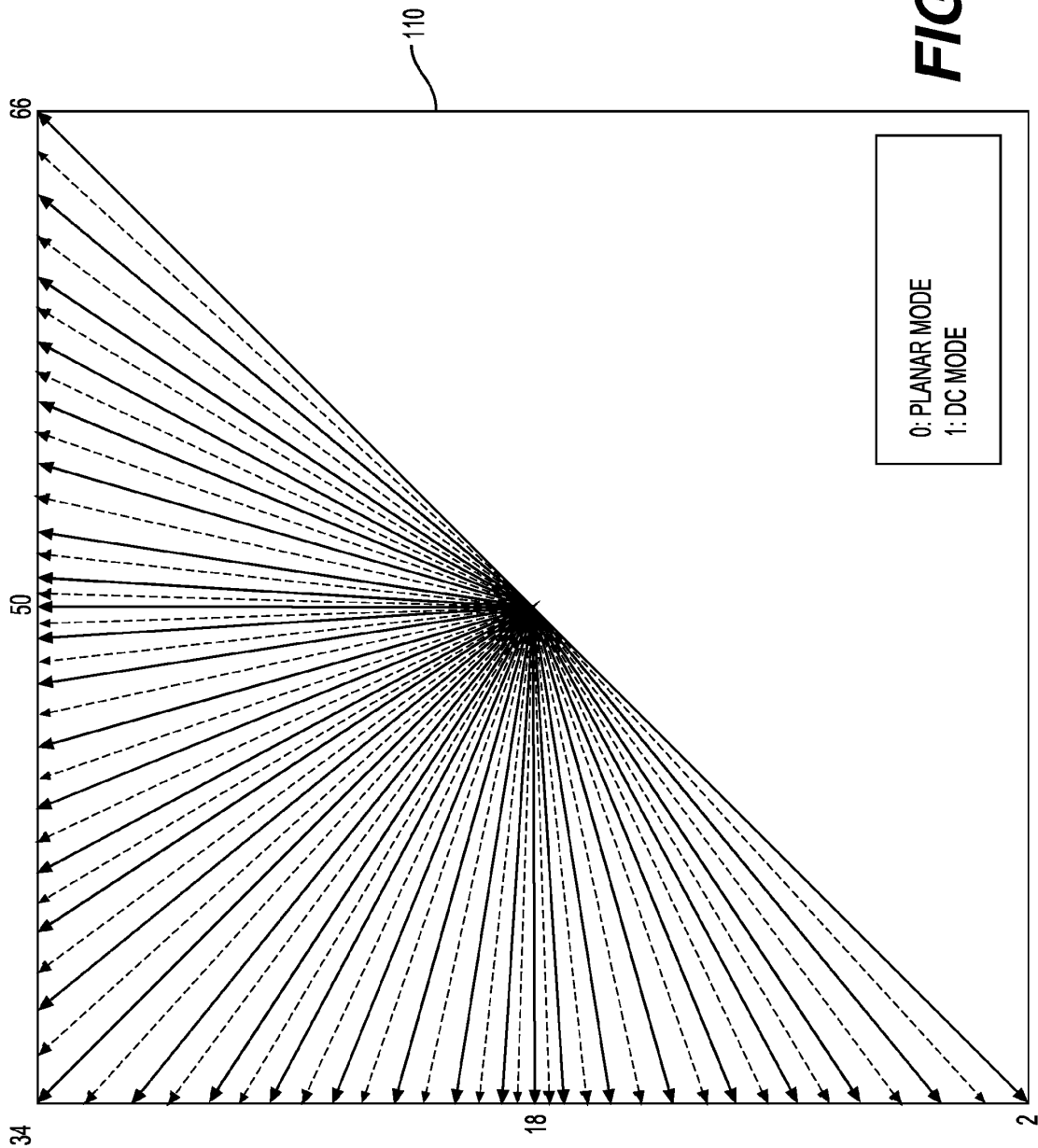


FIG. 1B

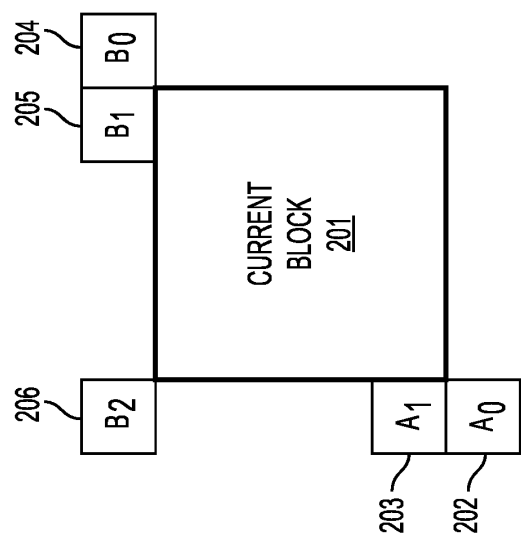
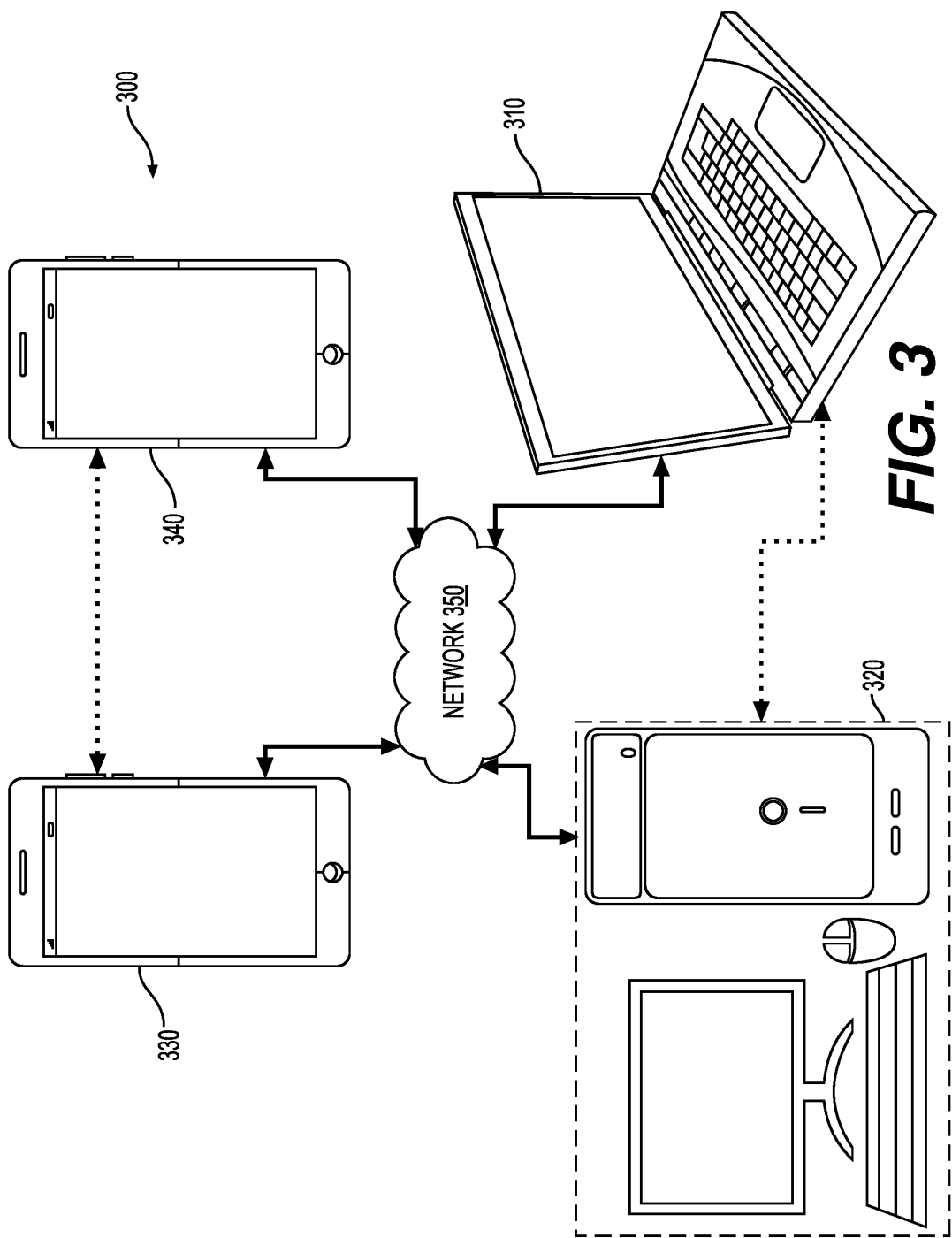


FIG. 2
(Related Art)



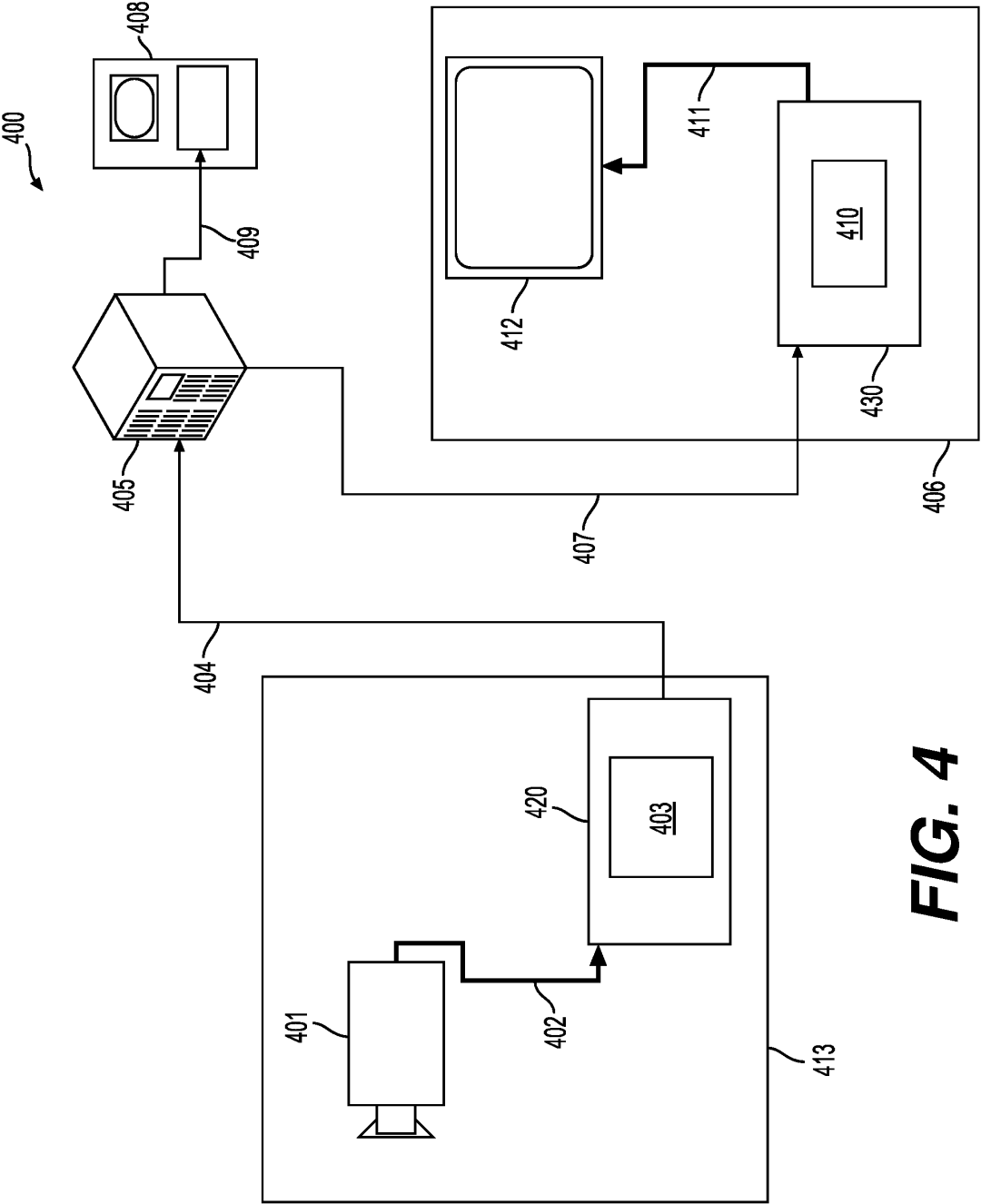


FIG. 4

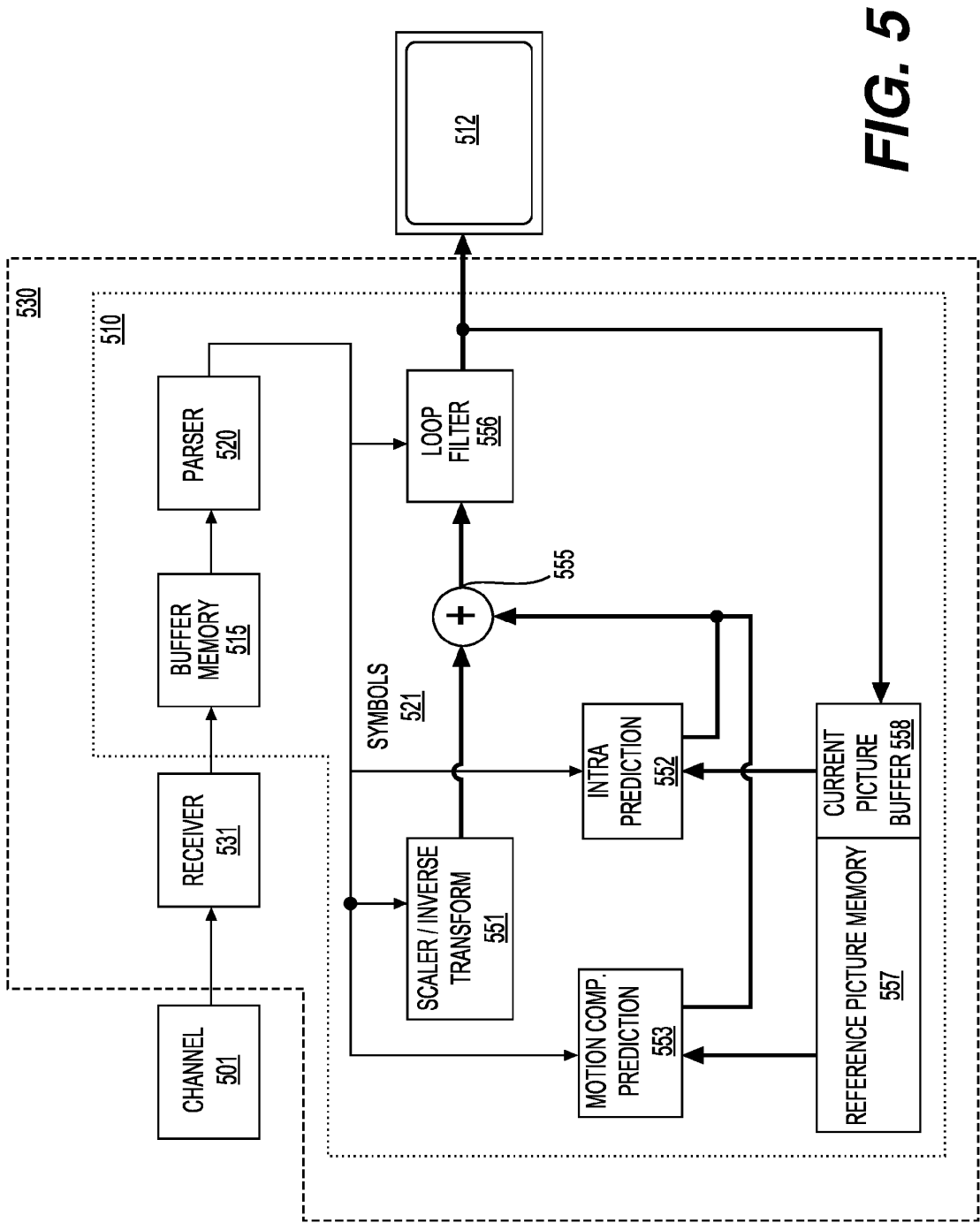


FIG. 5

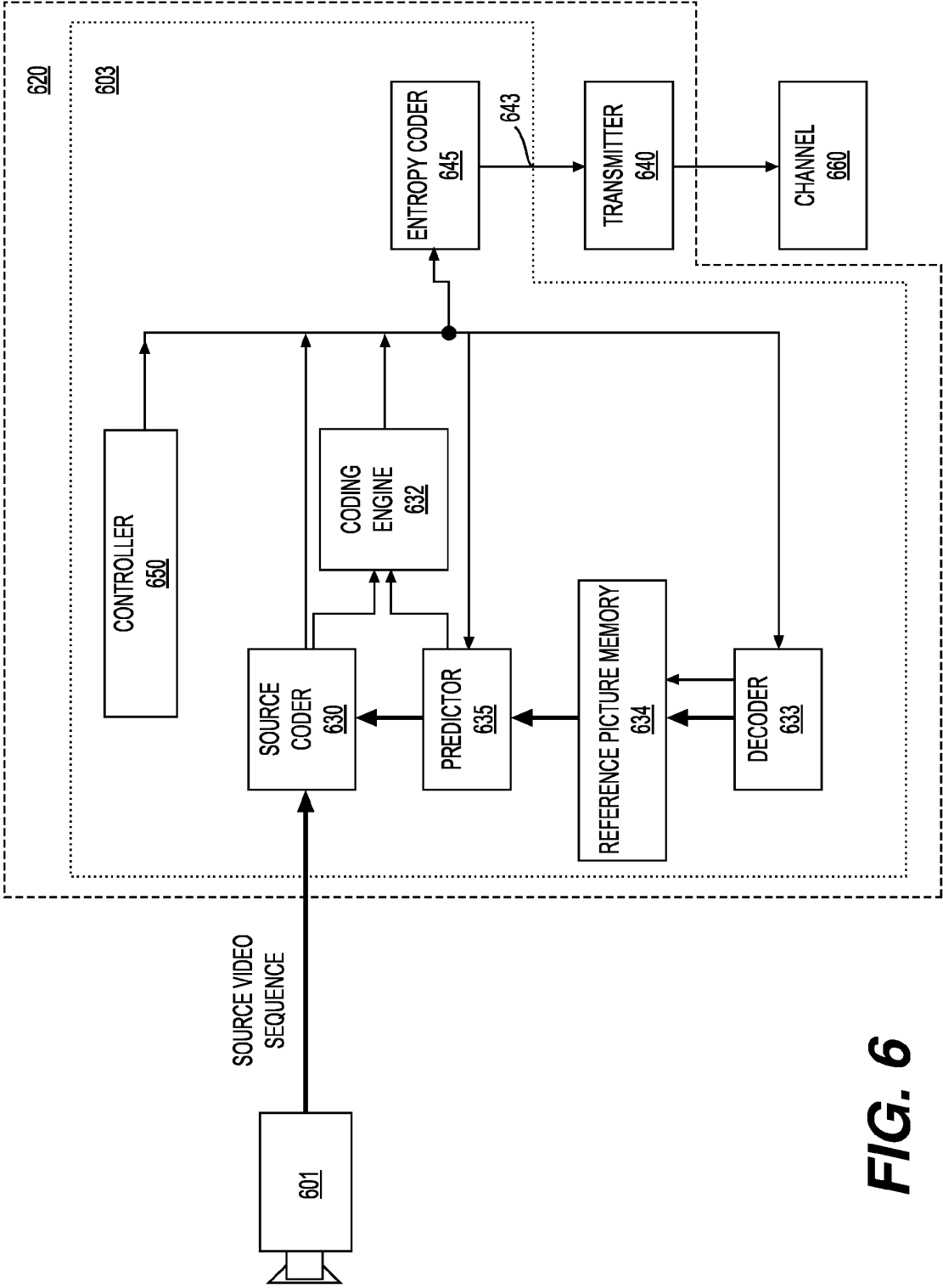


FIG. 6

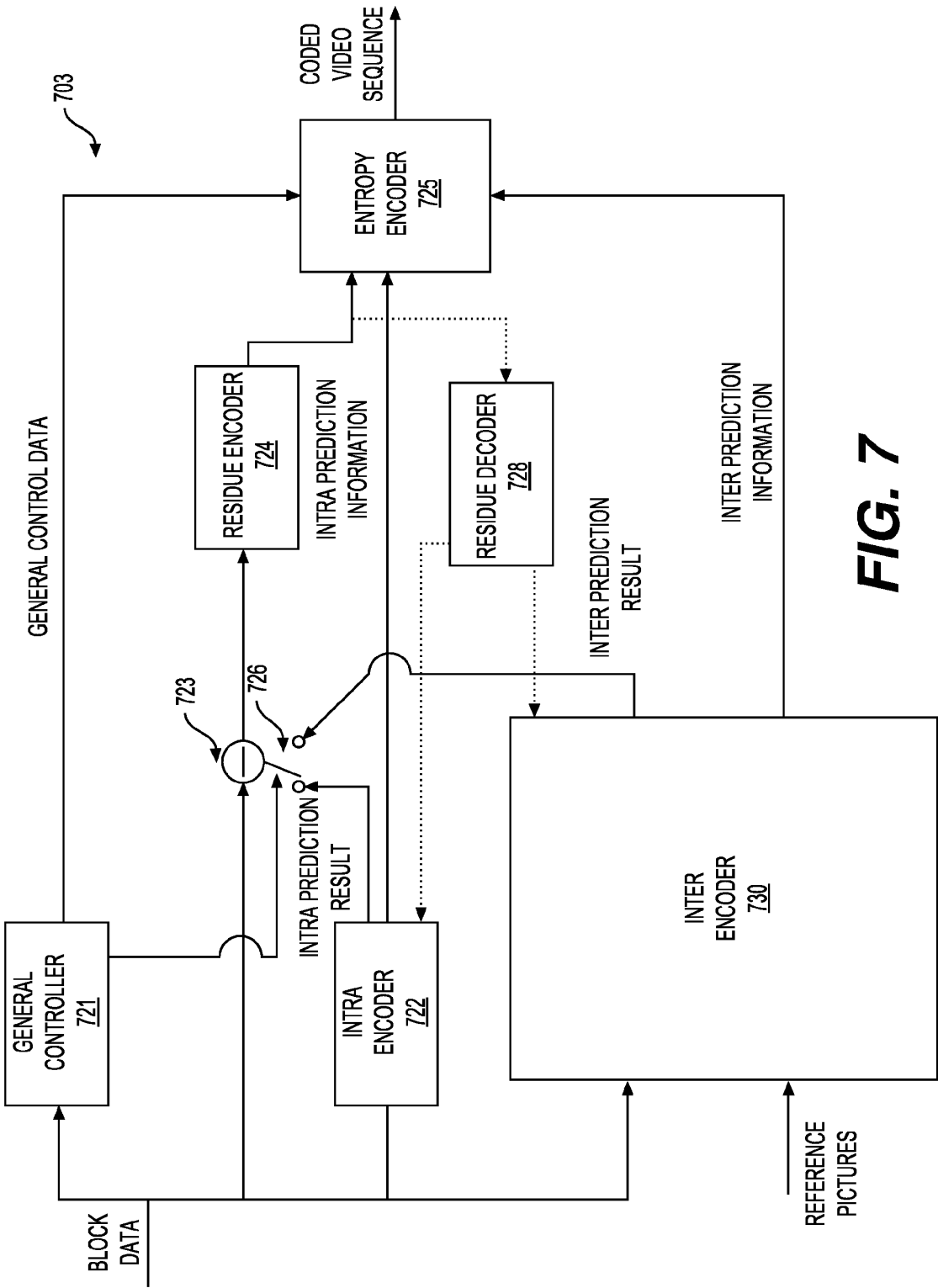


FIG. 7

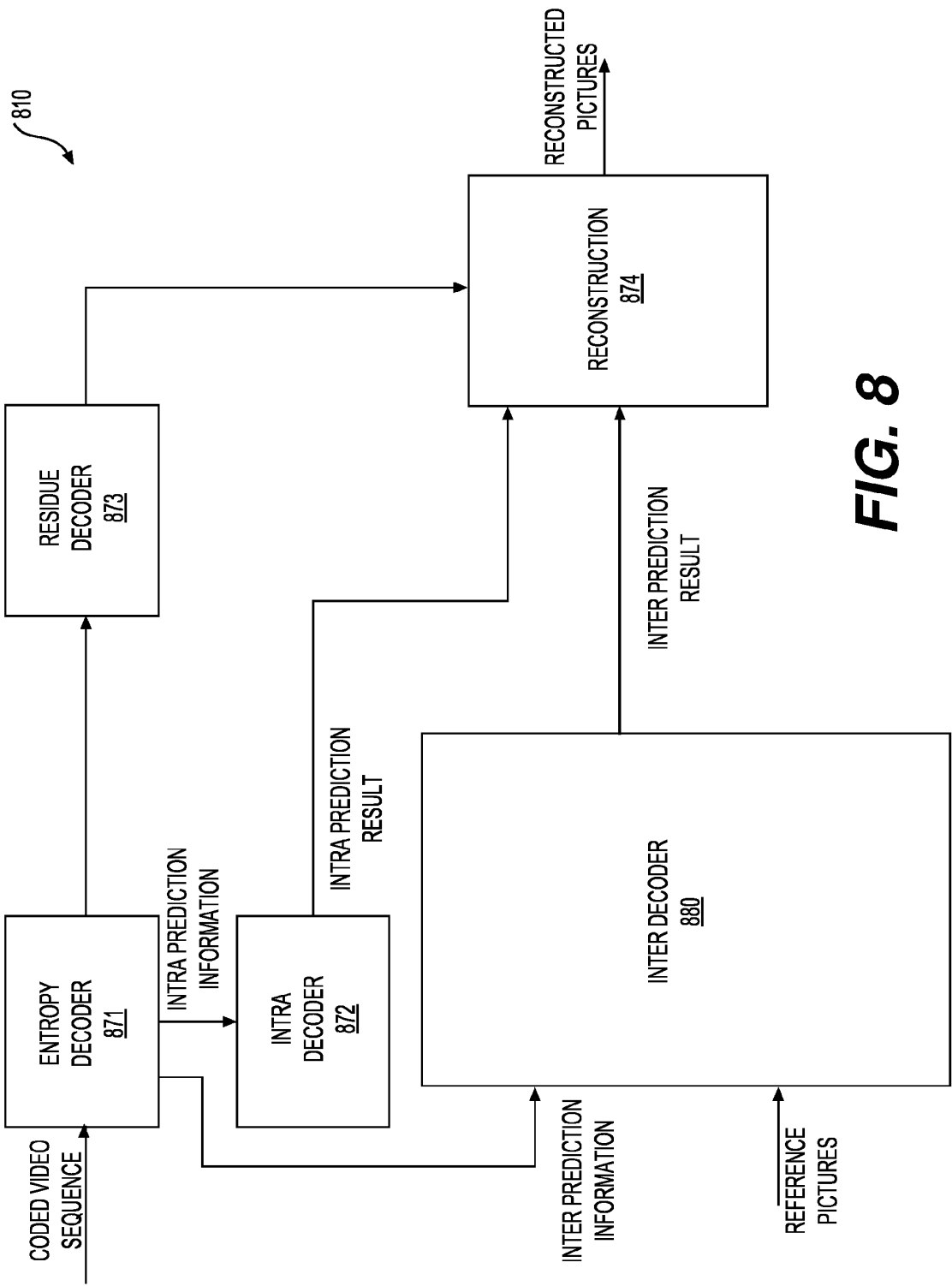


FIG. 8

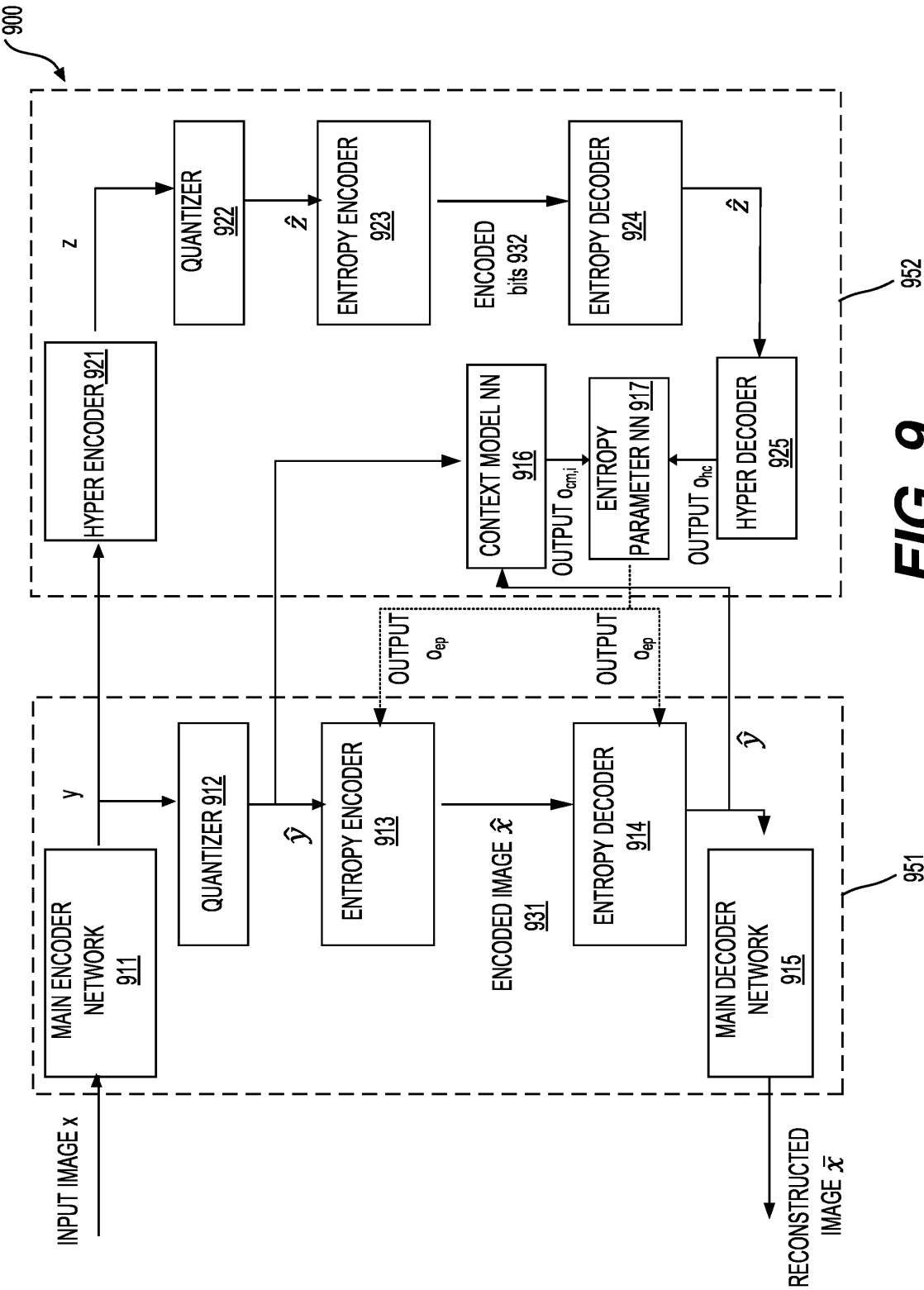


FIG. 9

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

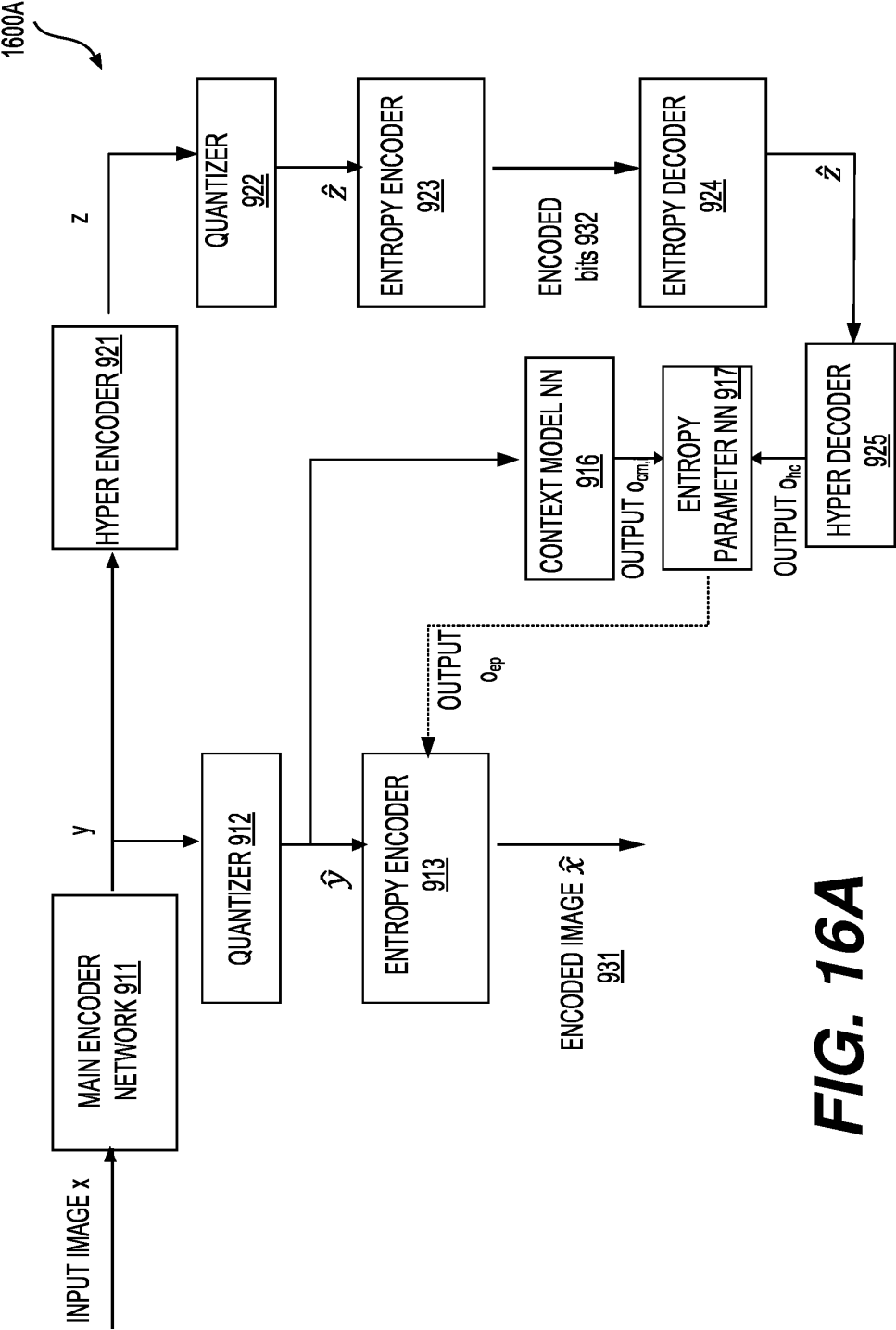


FIG. 16A

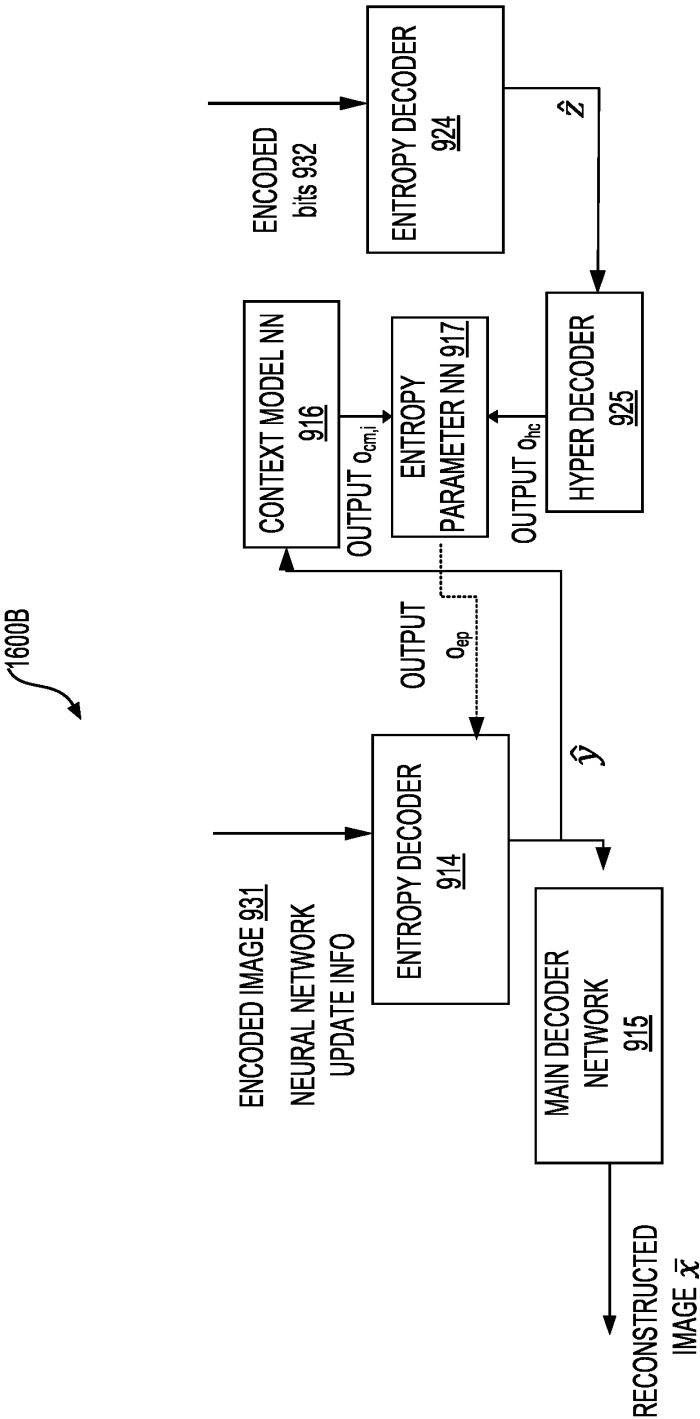


FIG. 16B

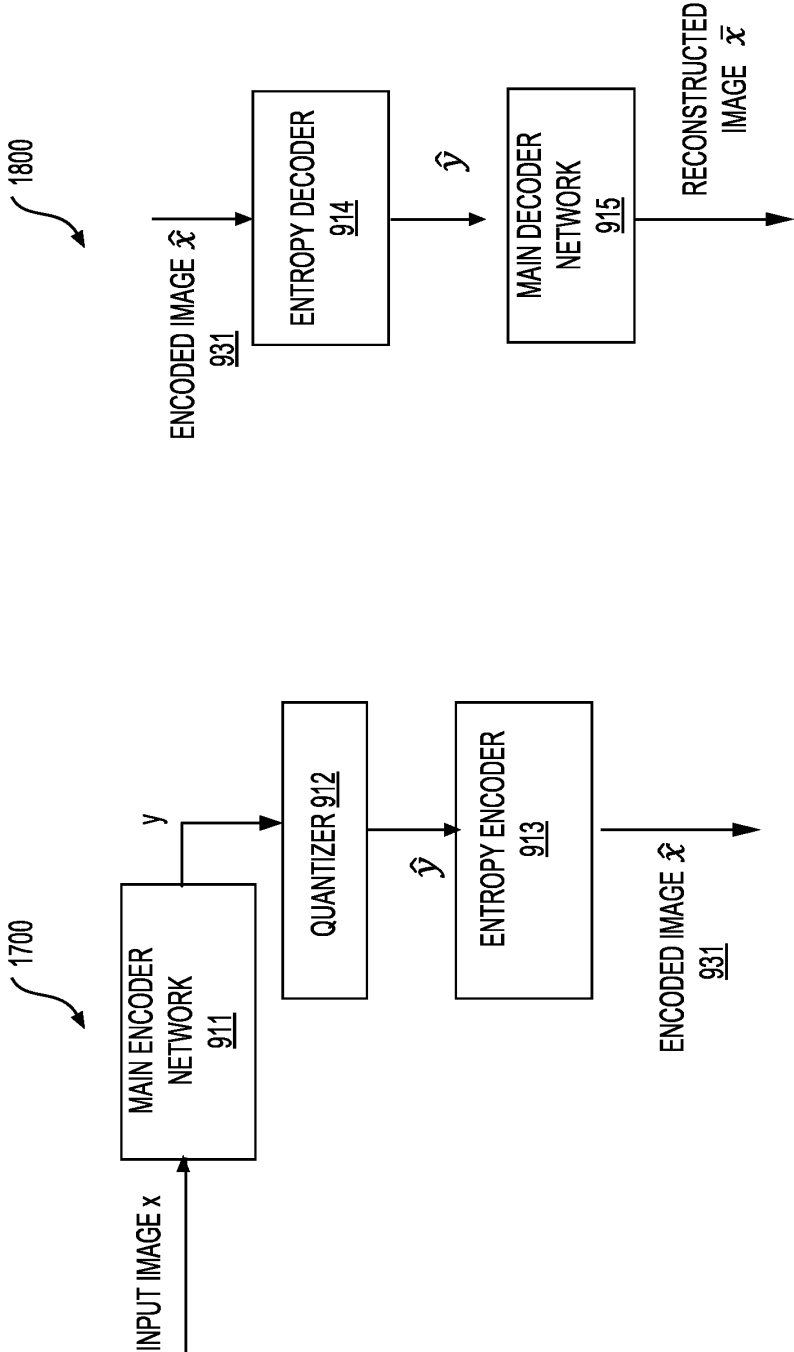
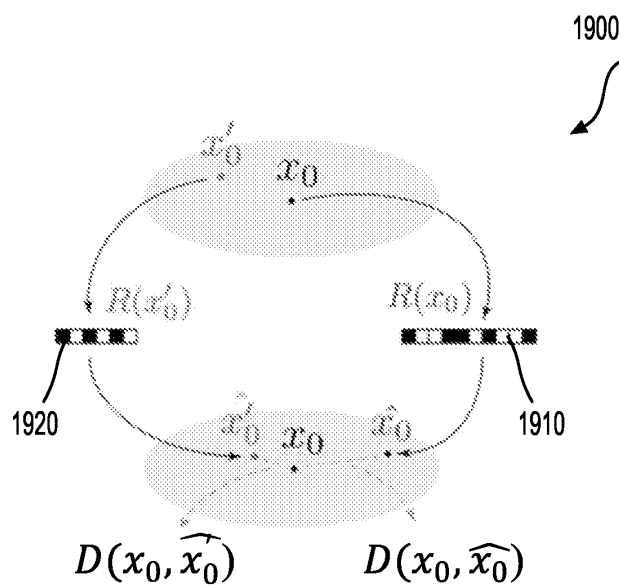


FIG. 17

FIG. 18

**FIG. 19A**

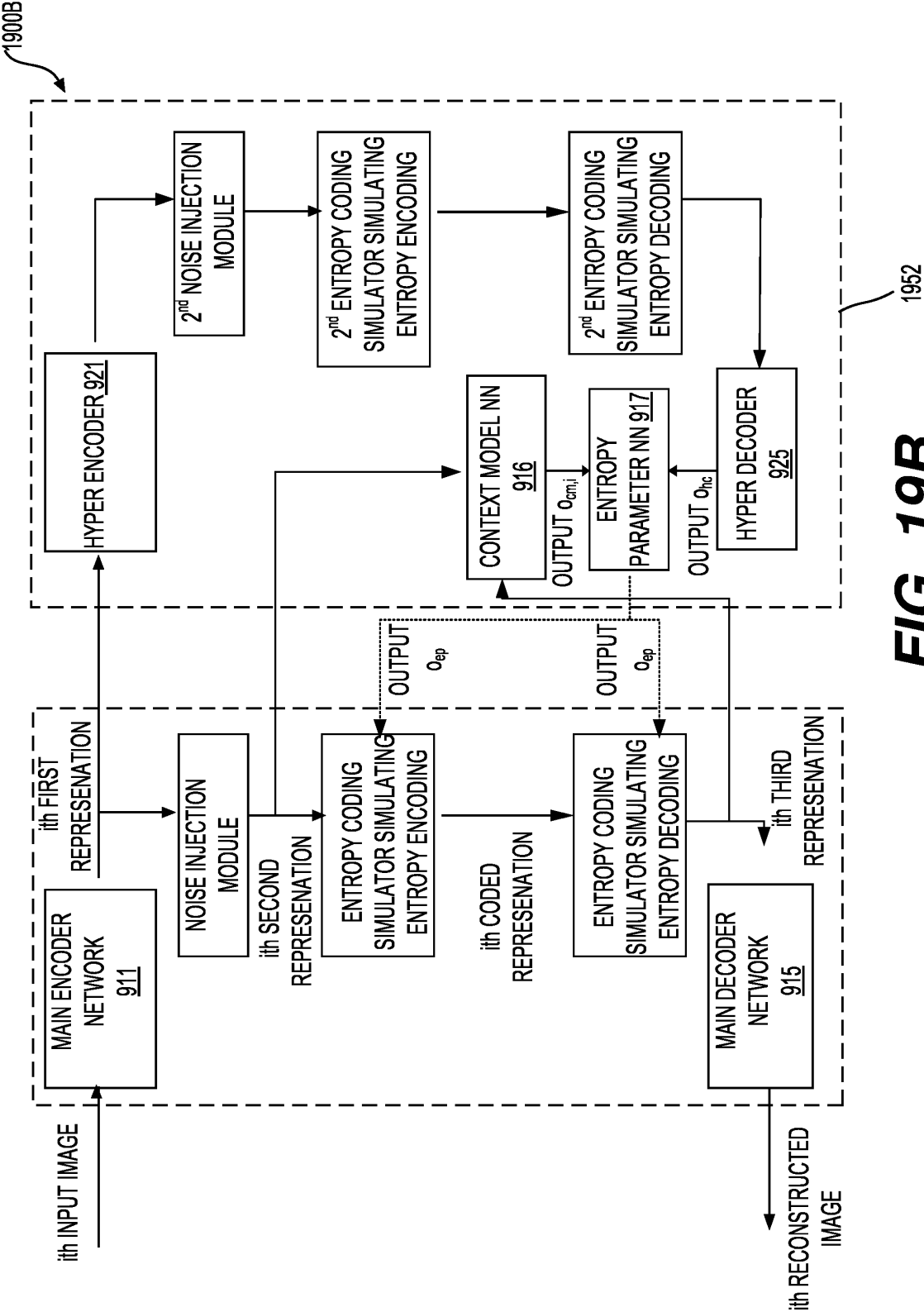


FIG. 19B

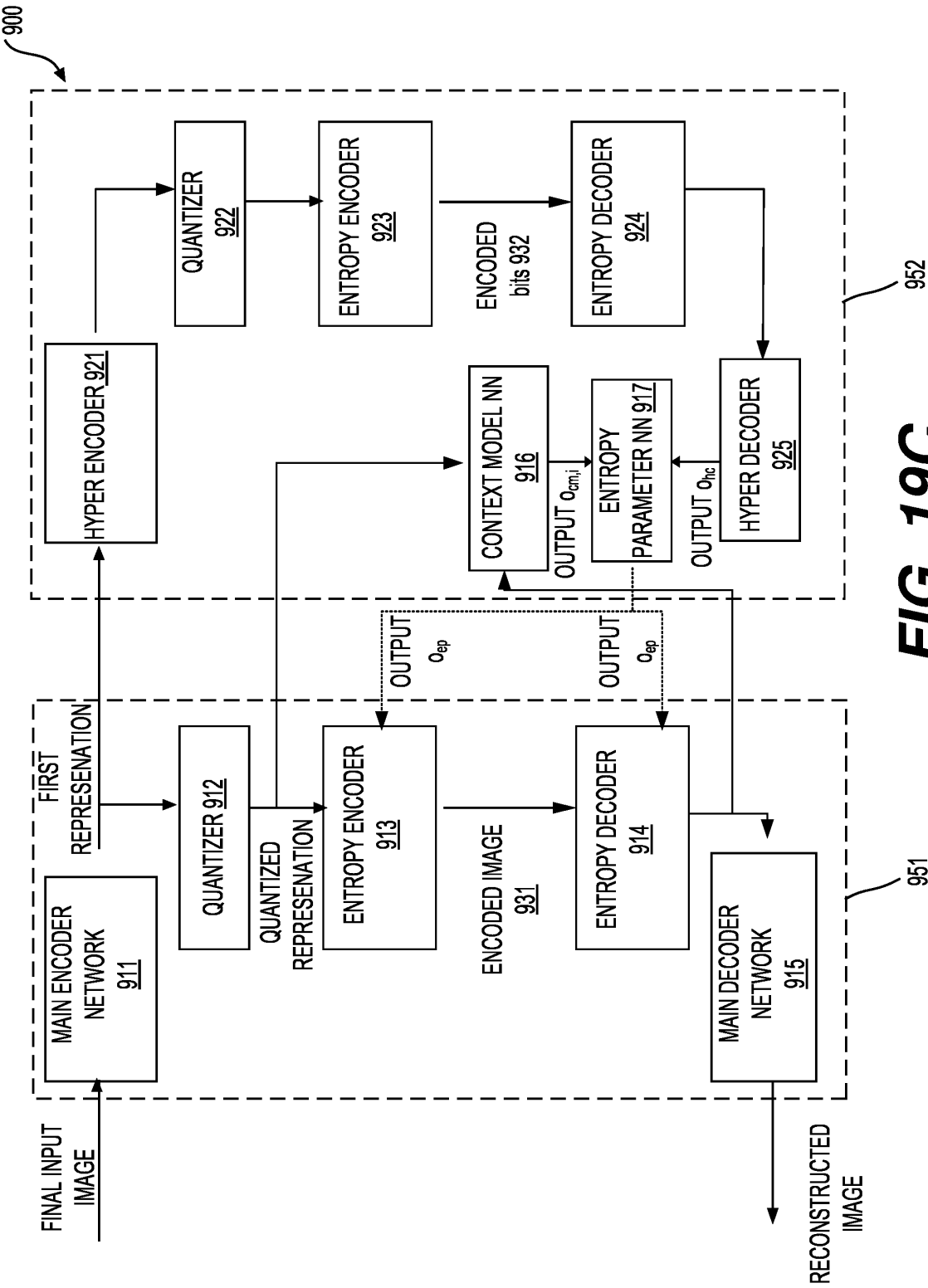
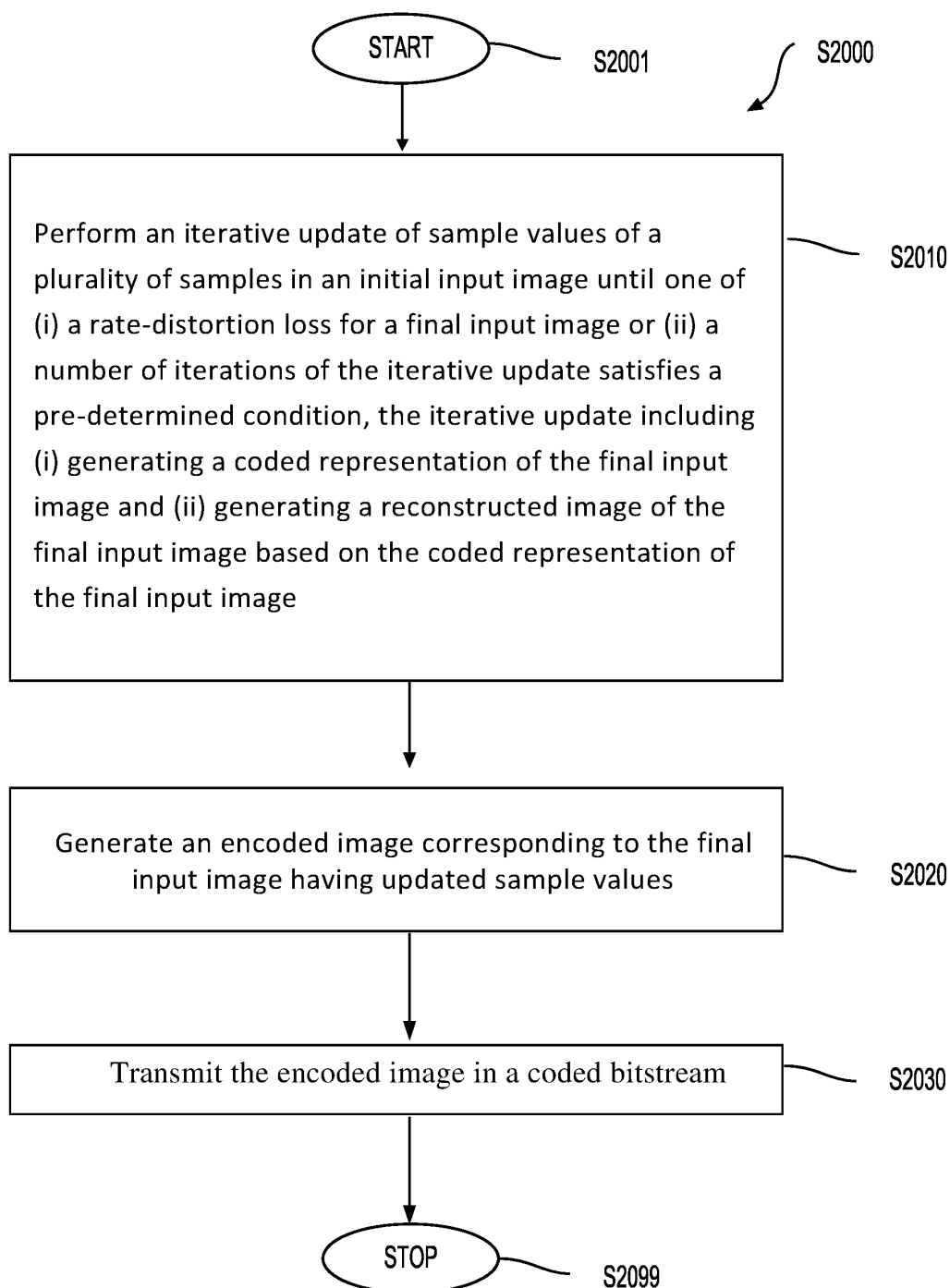


FIG. 19C

**FIG. 20**

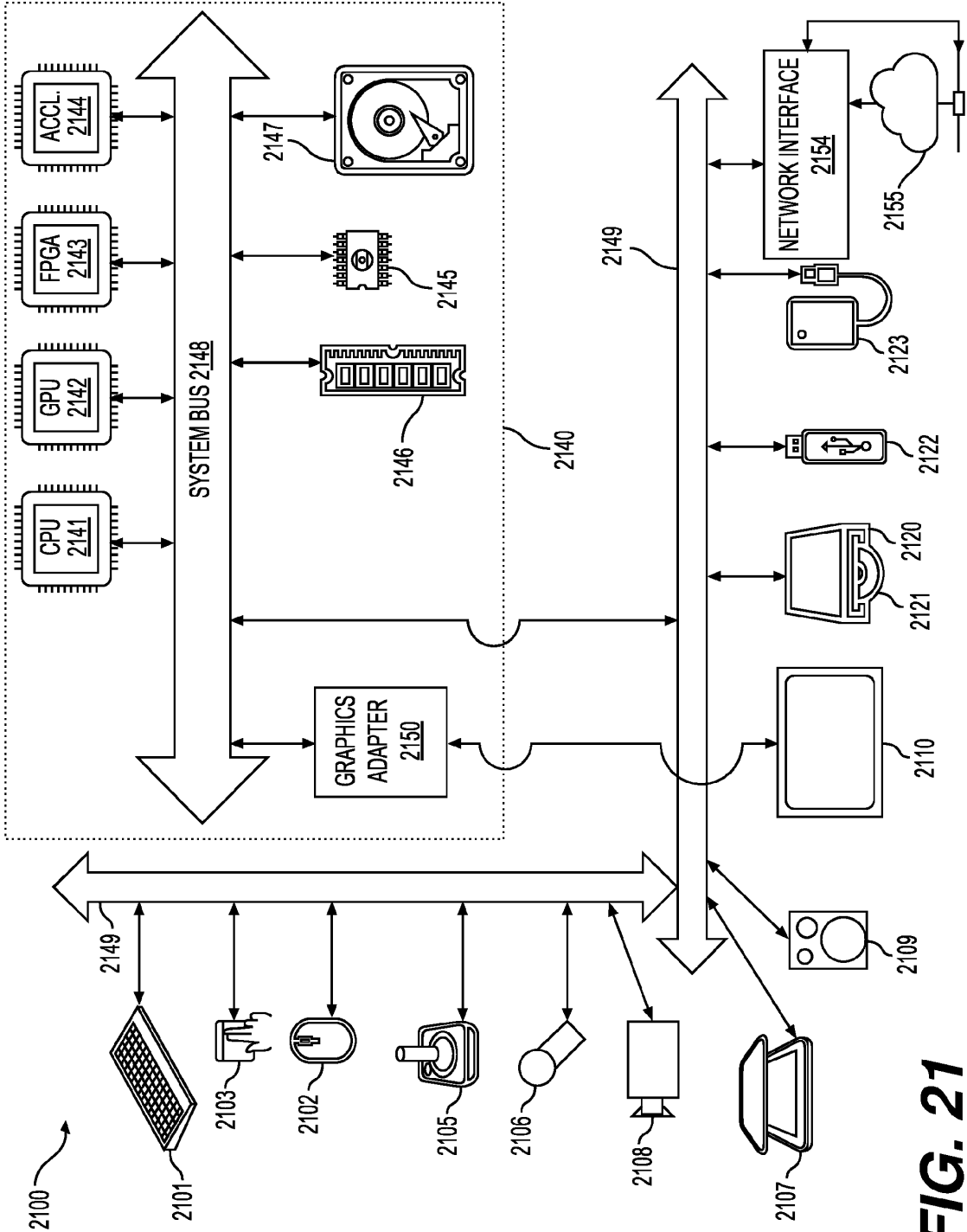


FIG. 21