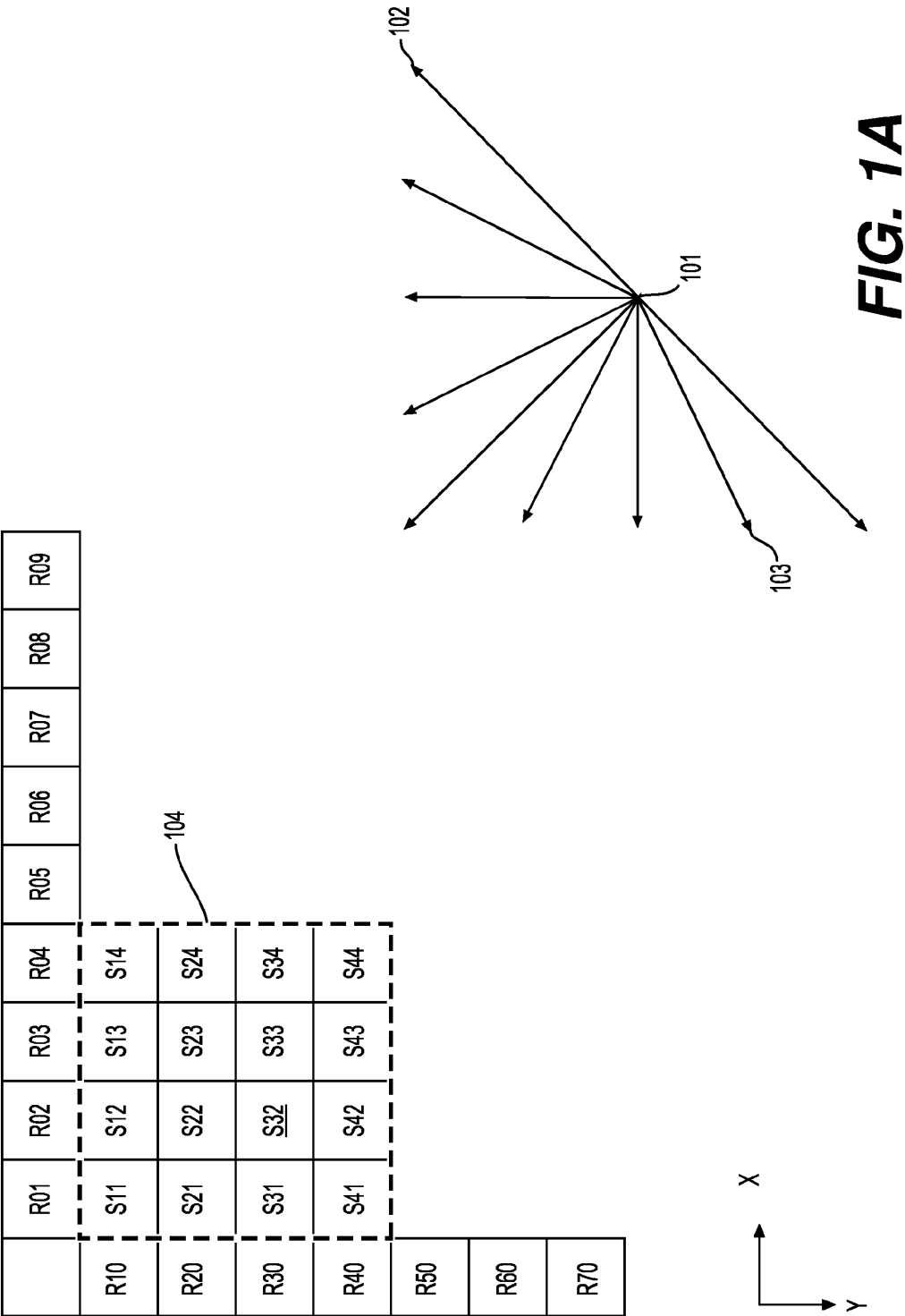




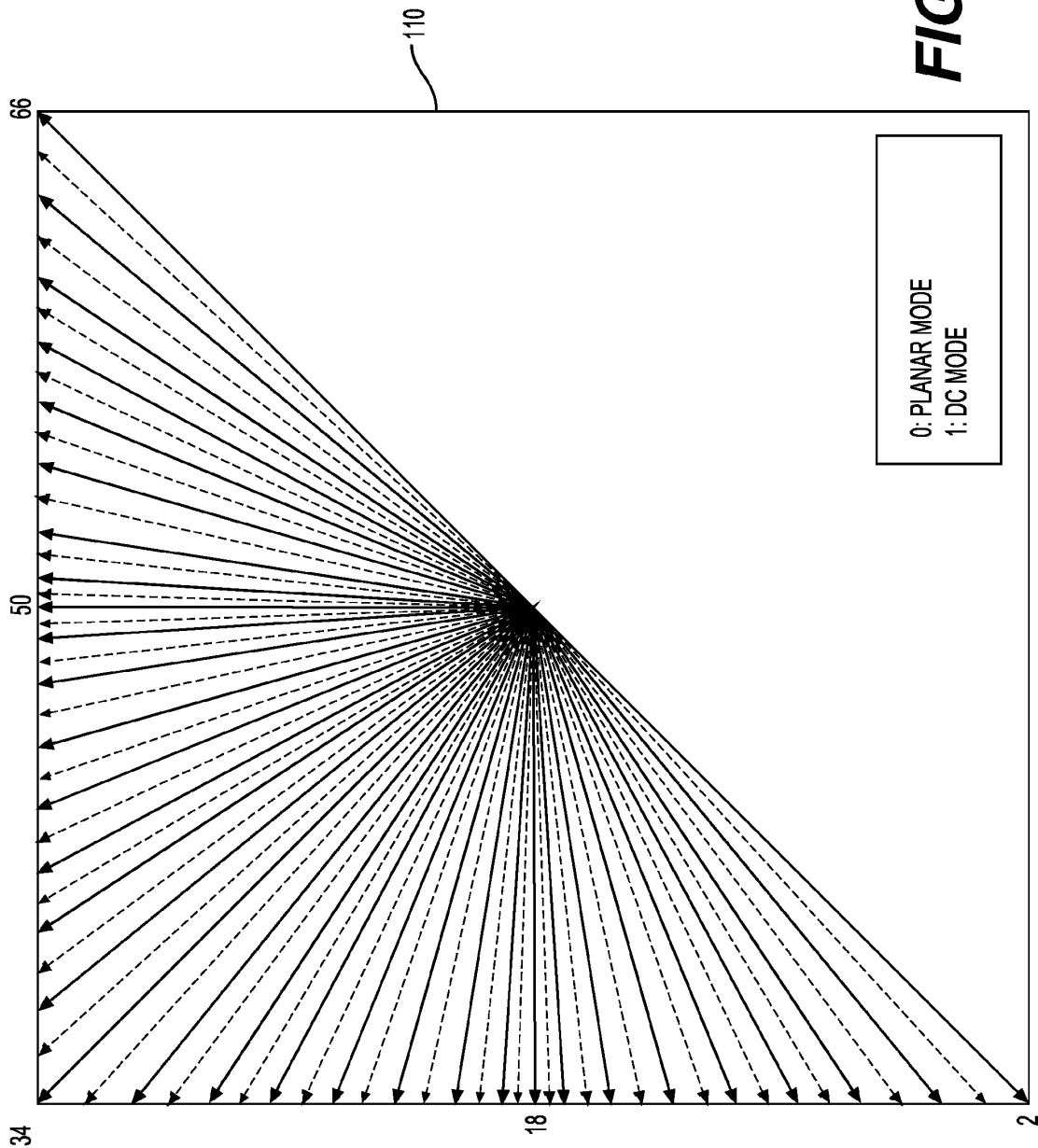


FIG. 1B

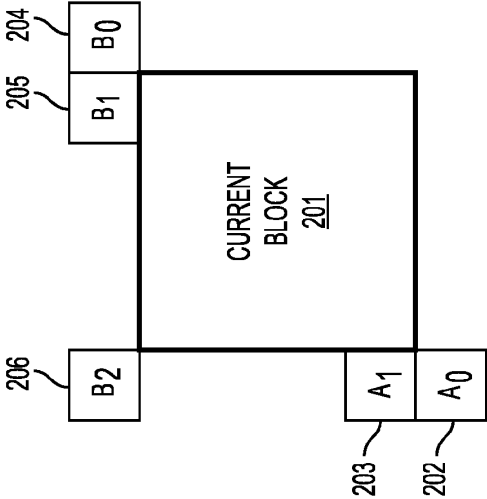


FIG. 2
(Related Art)

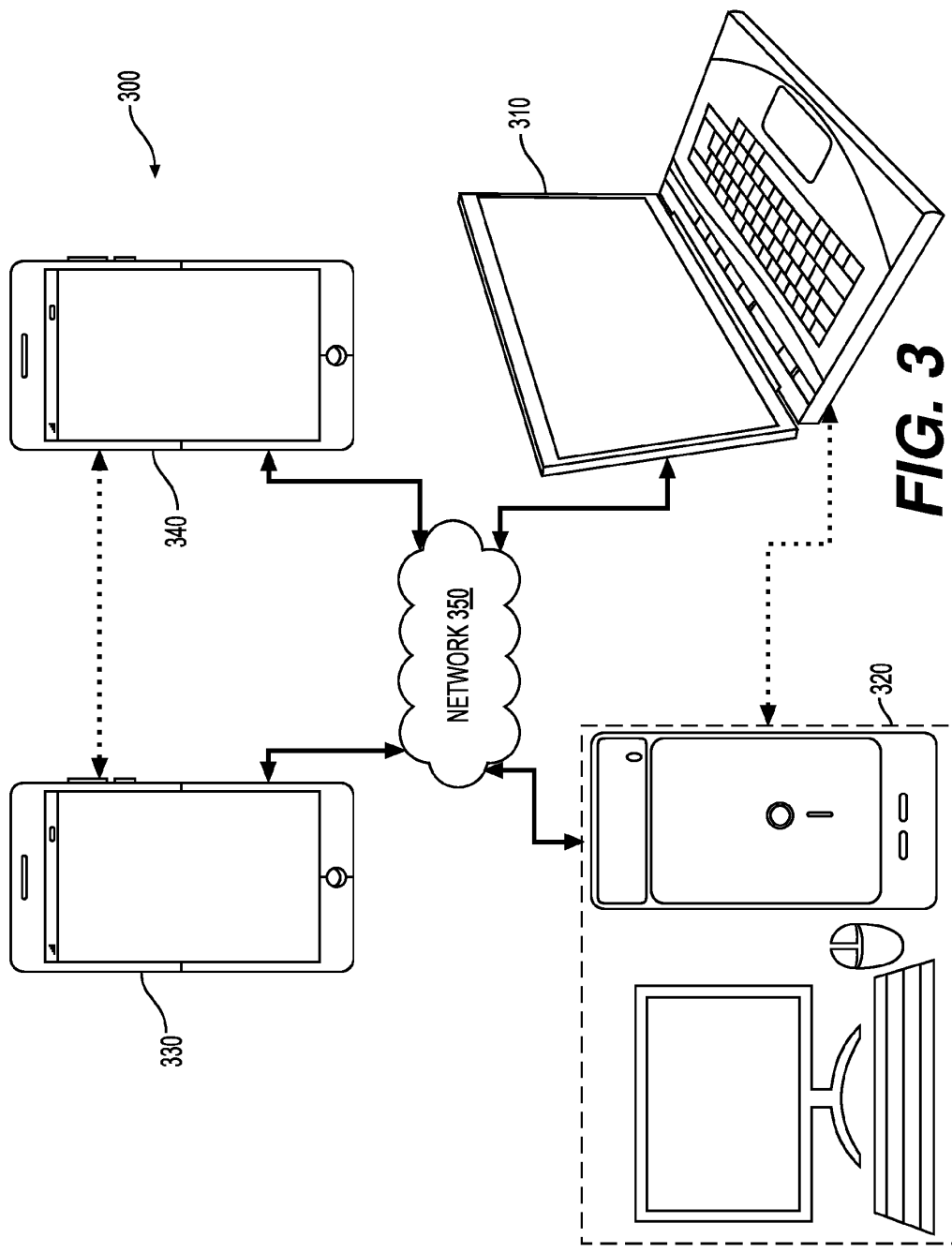


FIG. 3

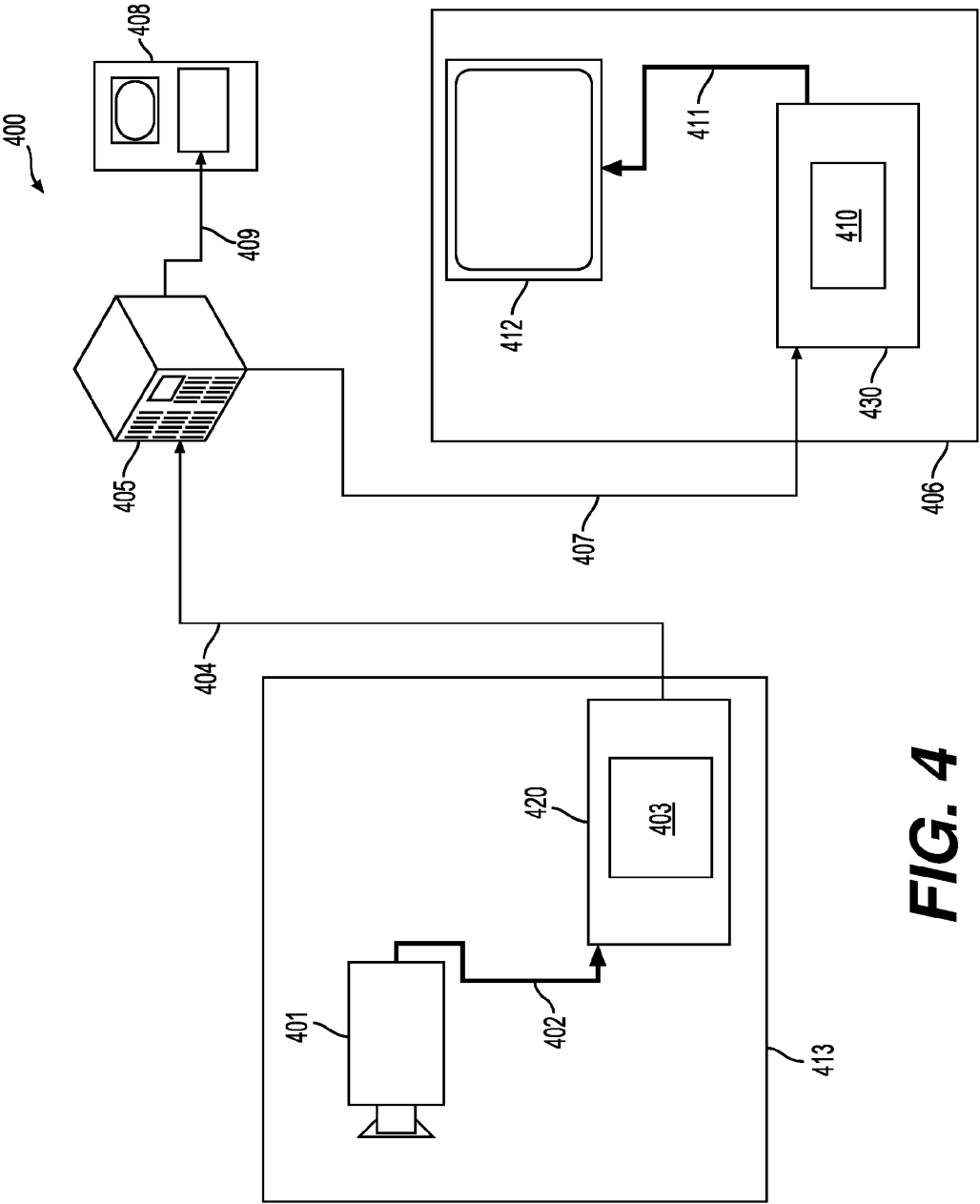


FIG. 4

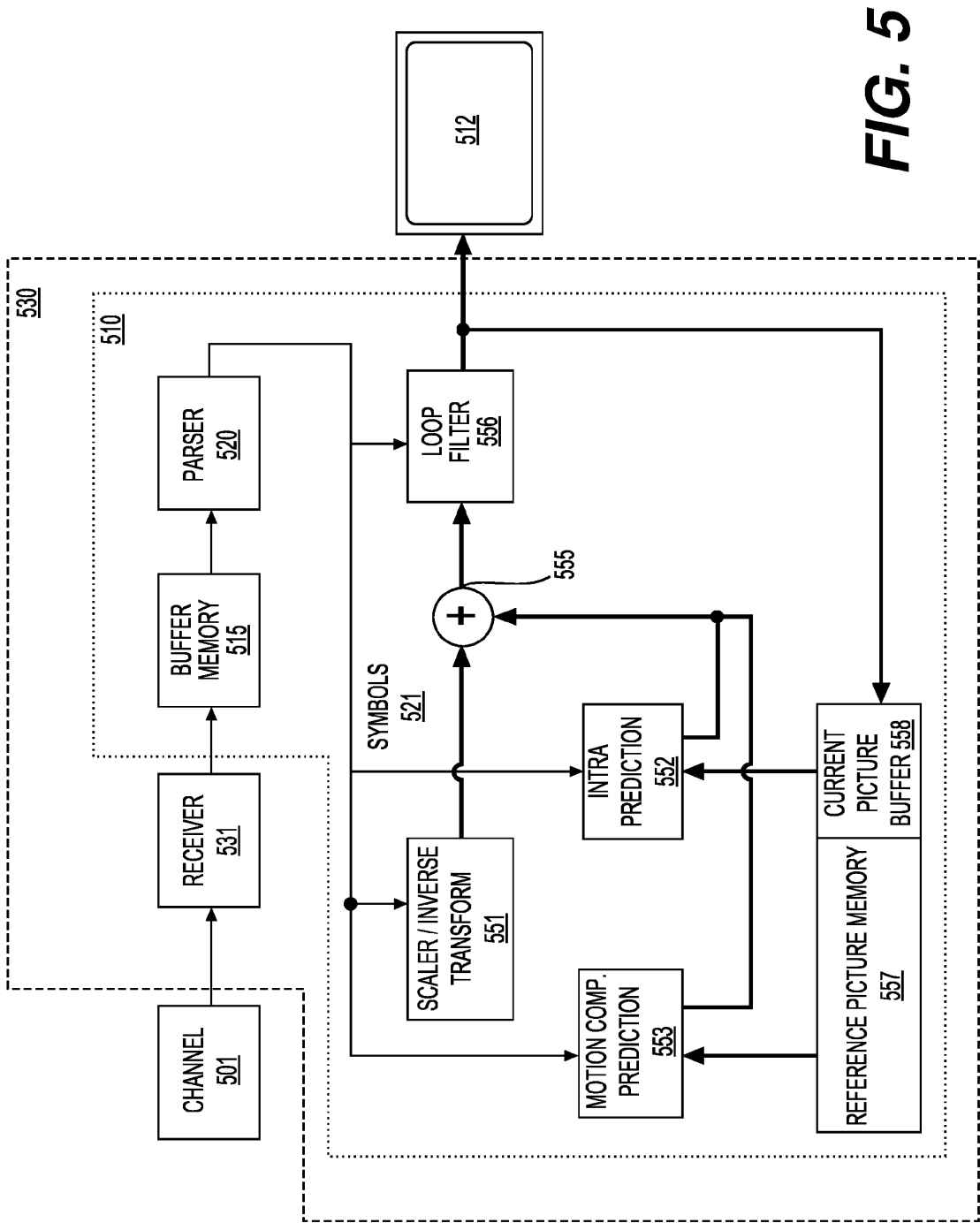


FIG. 5

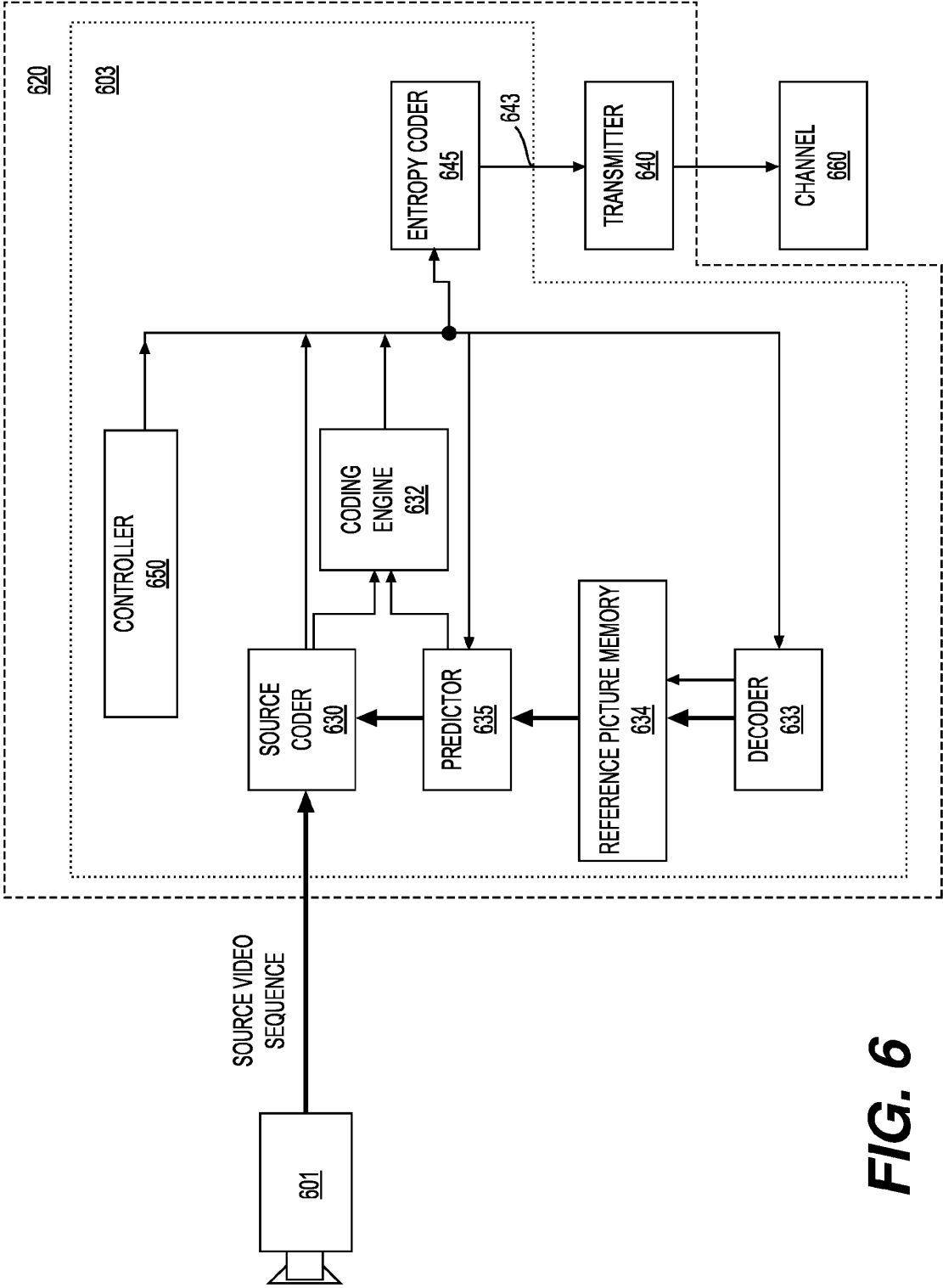


FIG. 6

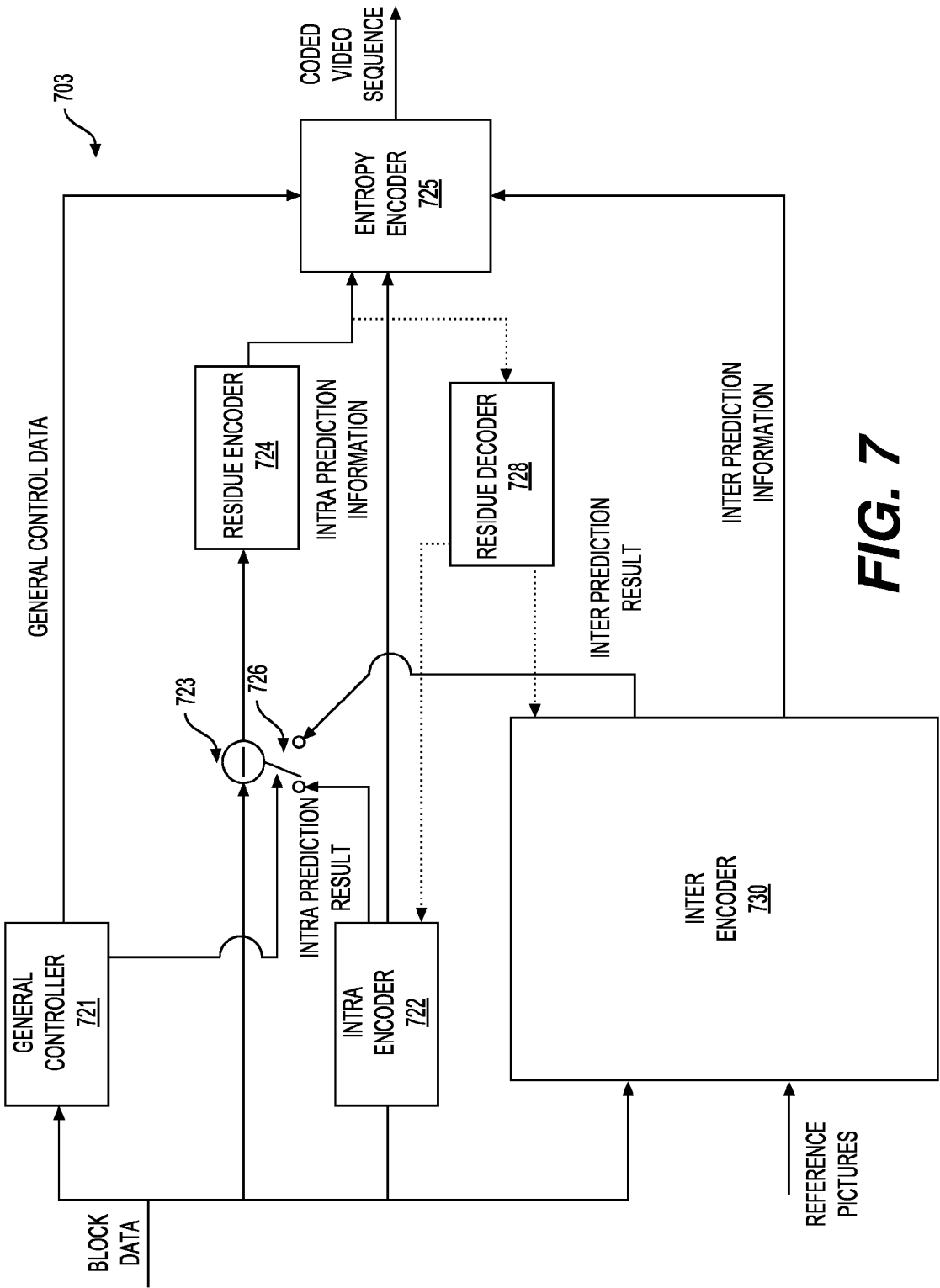


FIG. 7

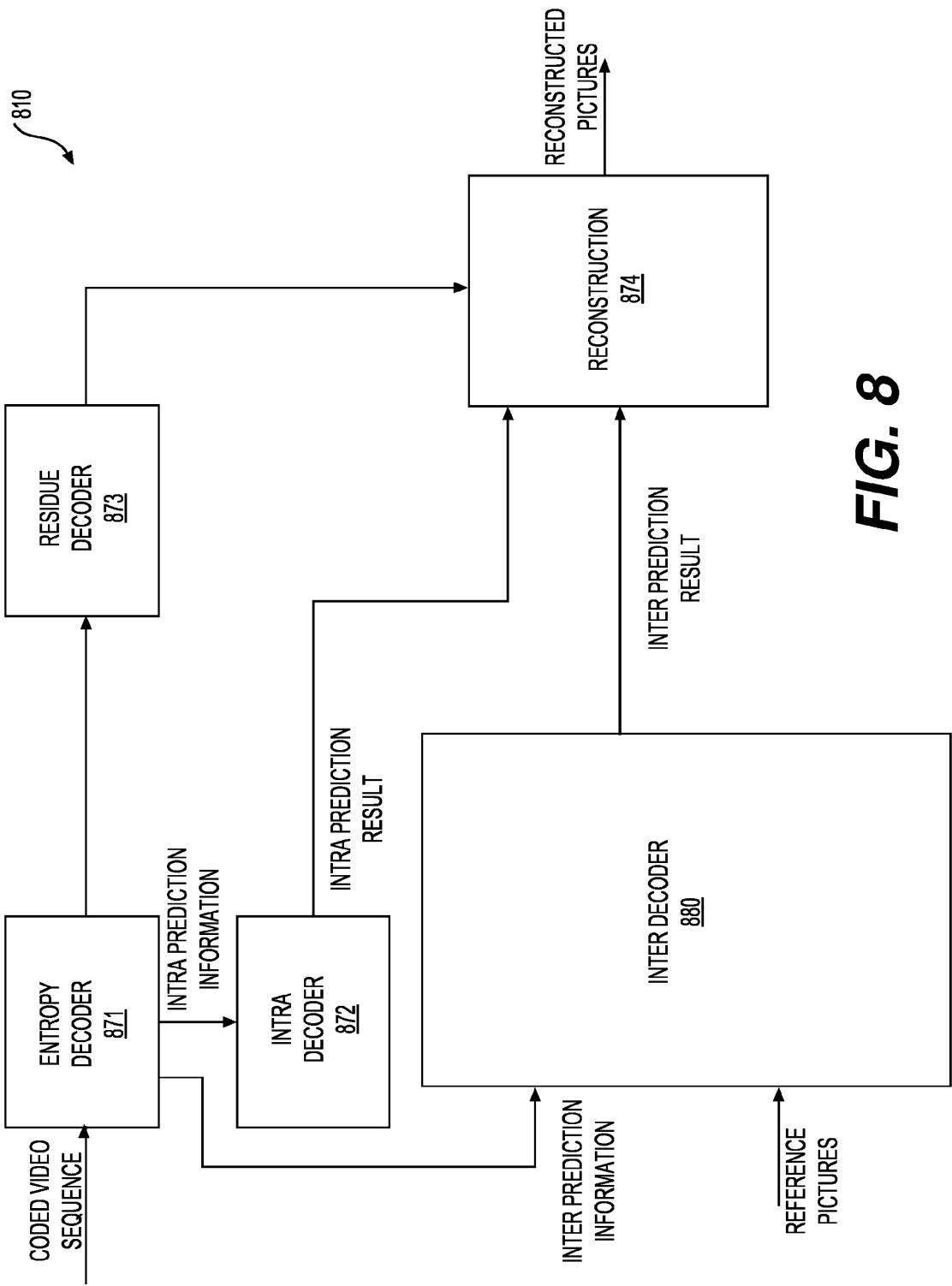


FIG. 8

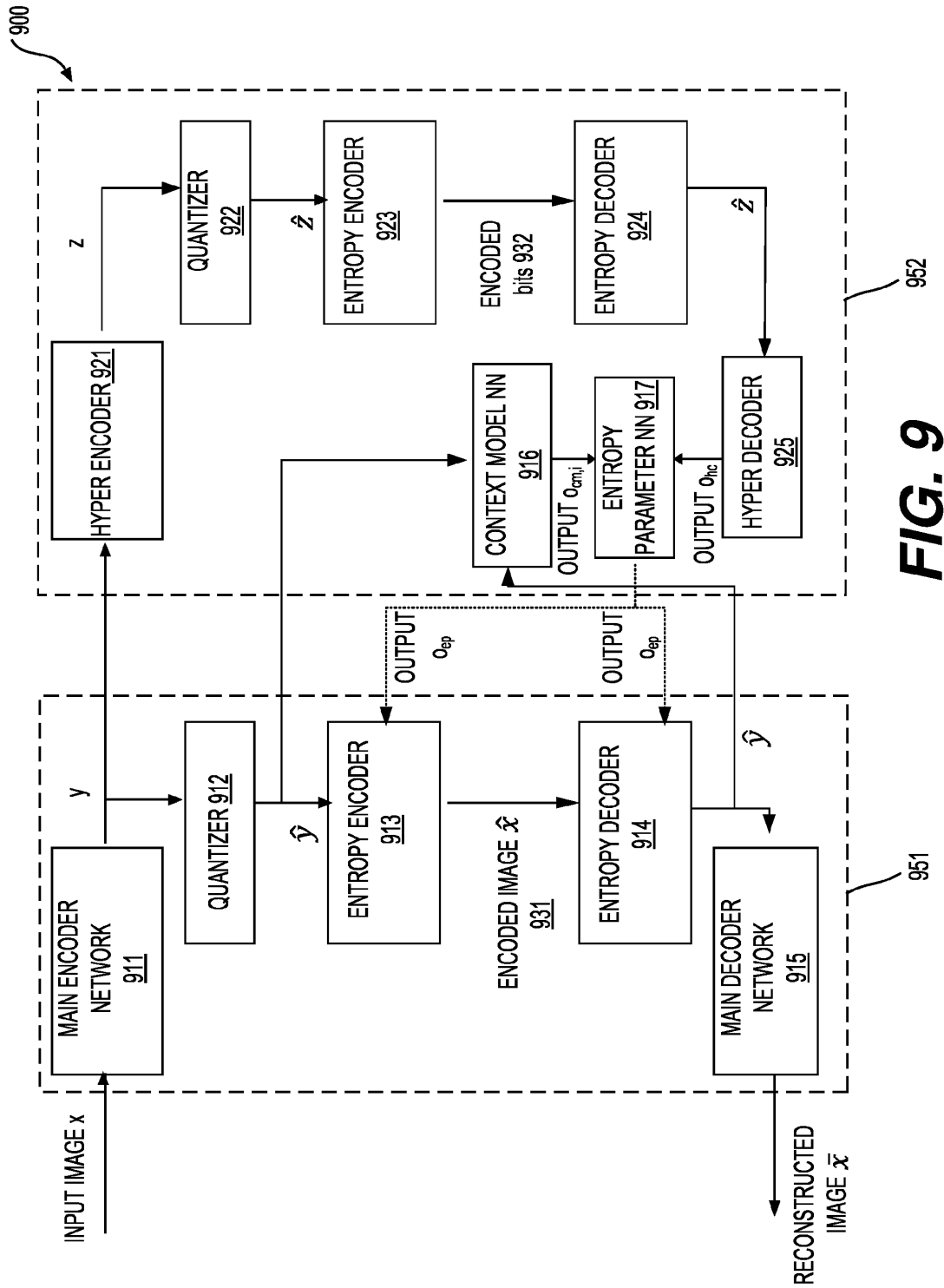


FIG. 10

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

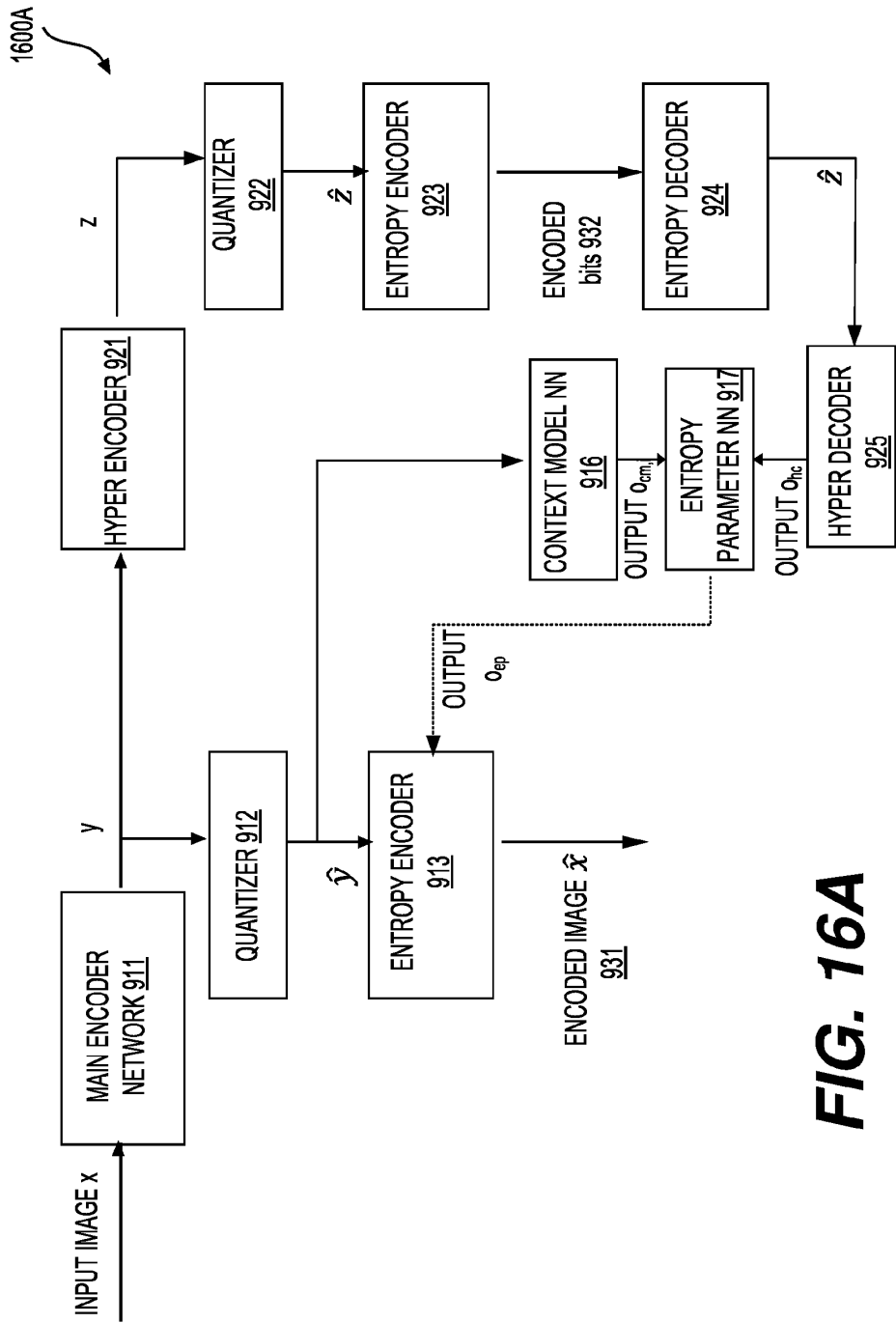


FIG. 16A

1600B

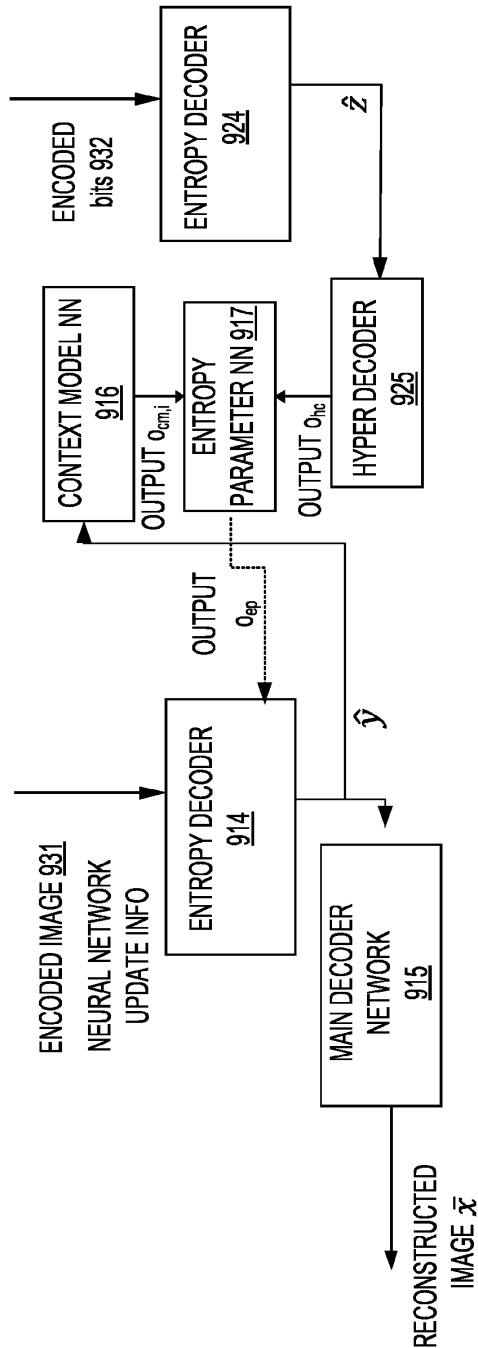


FIG. 16B

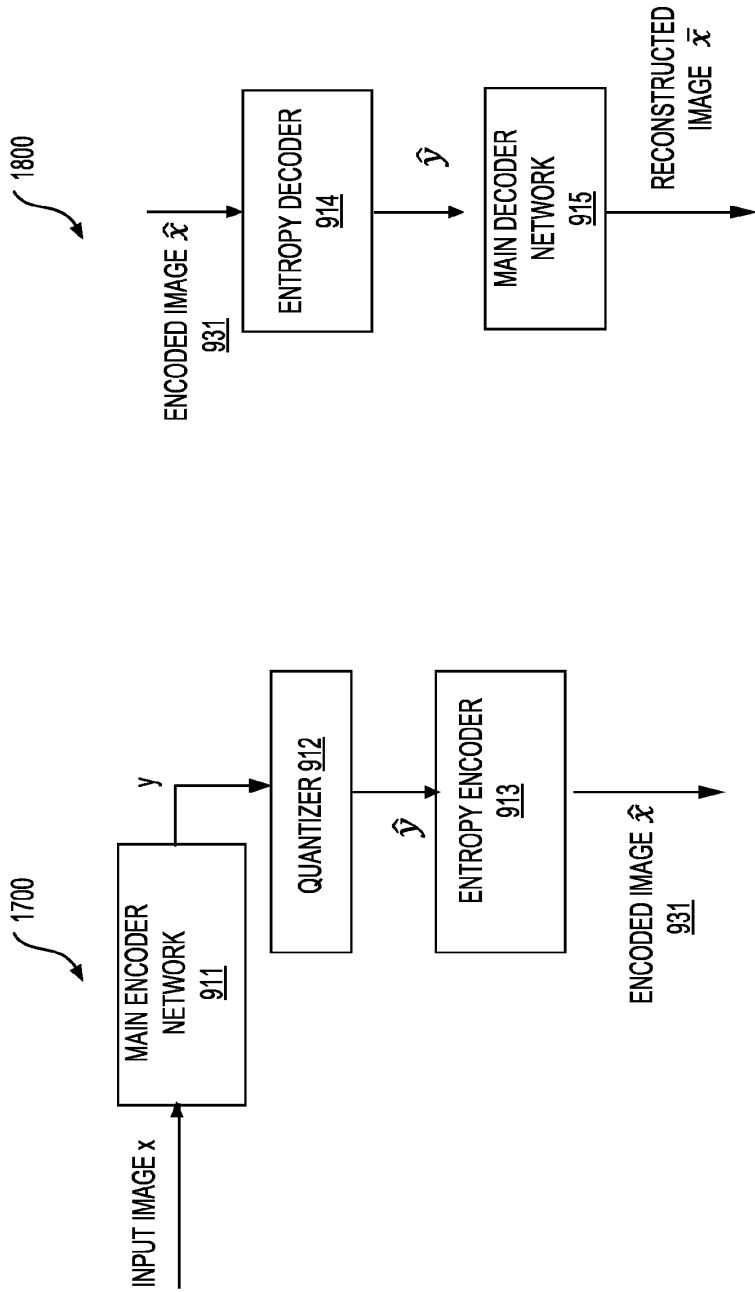
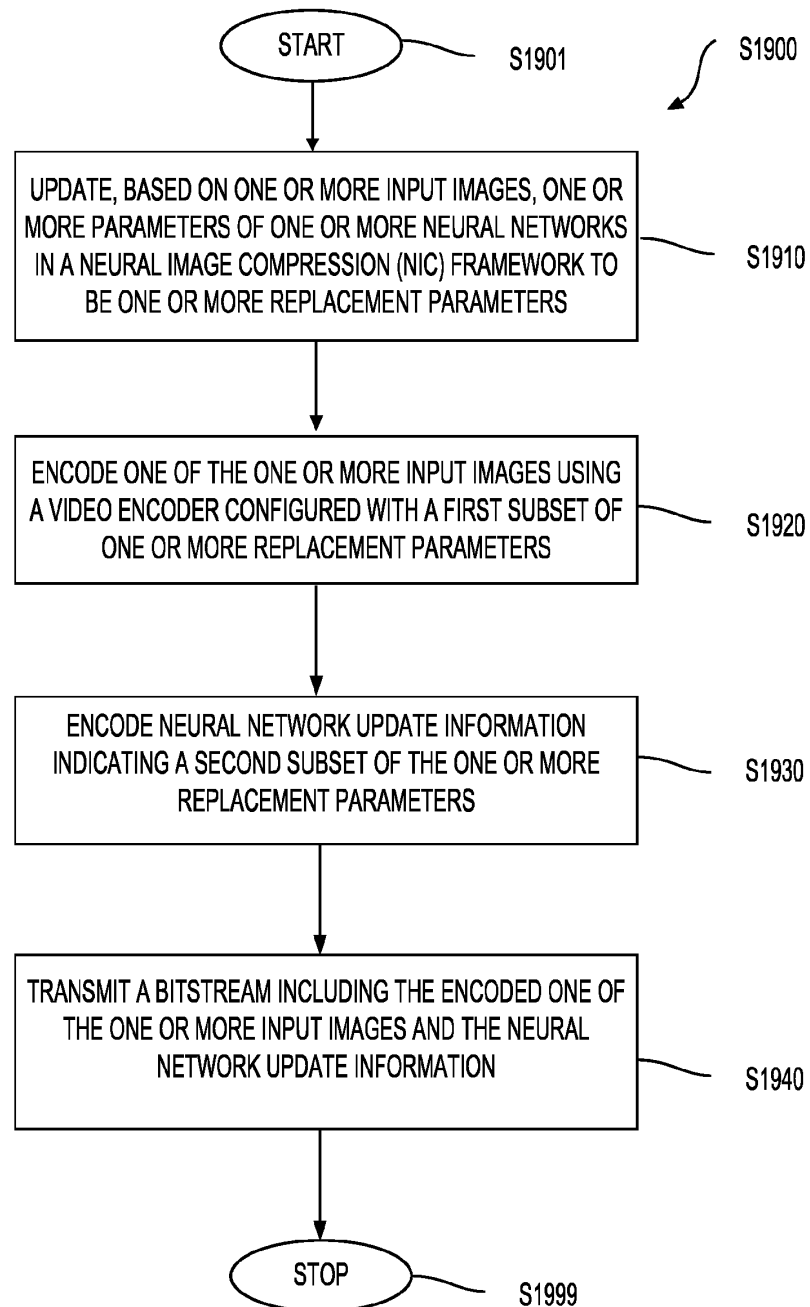
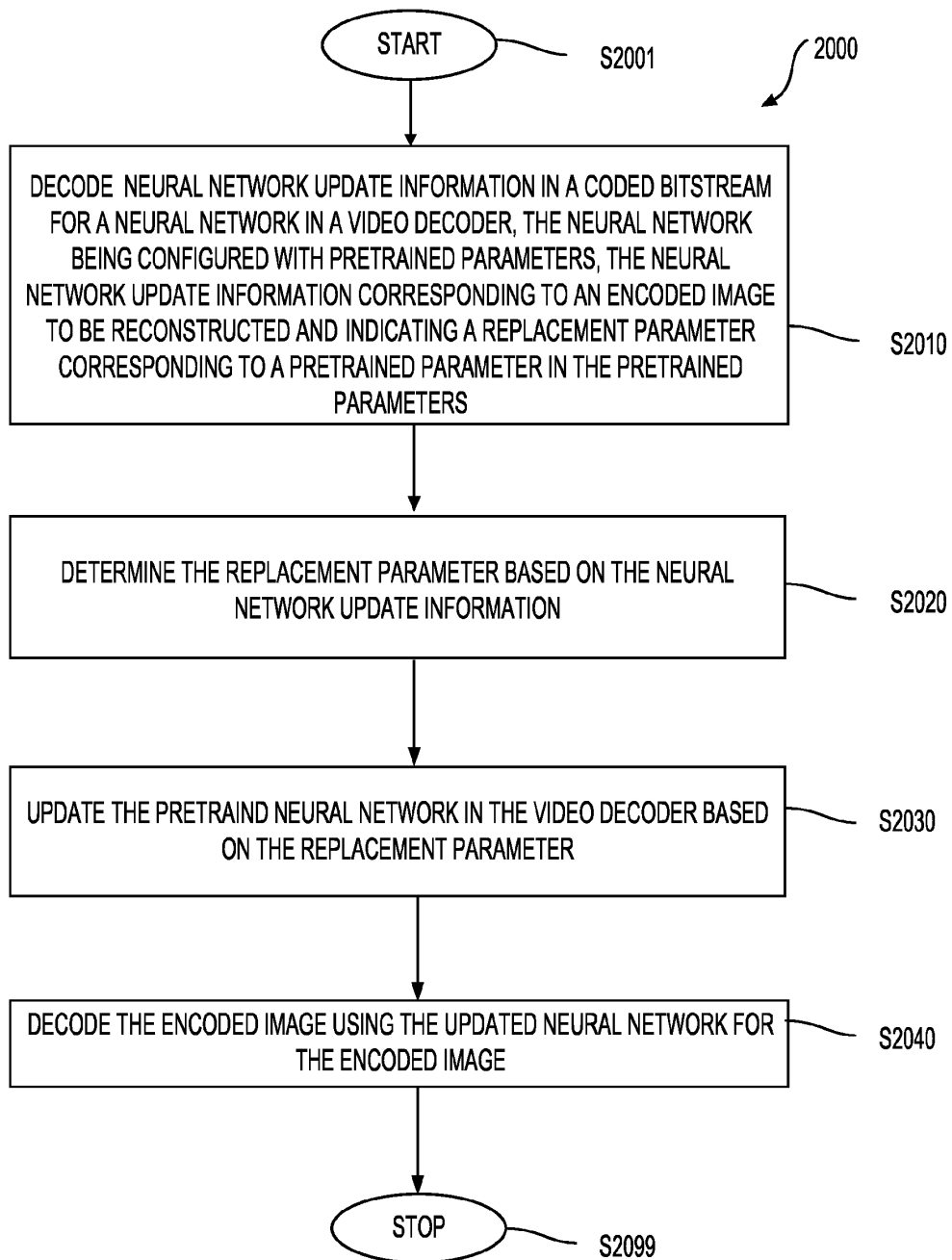


FIG. 18

FIG. 17

**FIG. 19**

**FIG. 20**

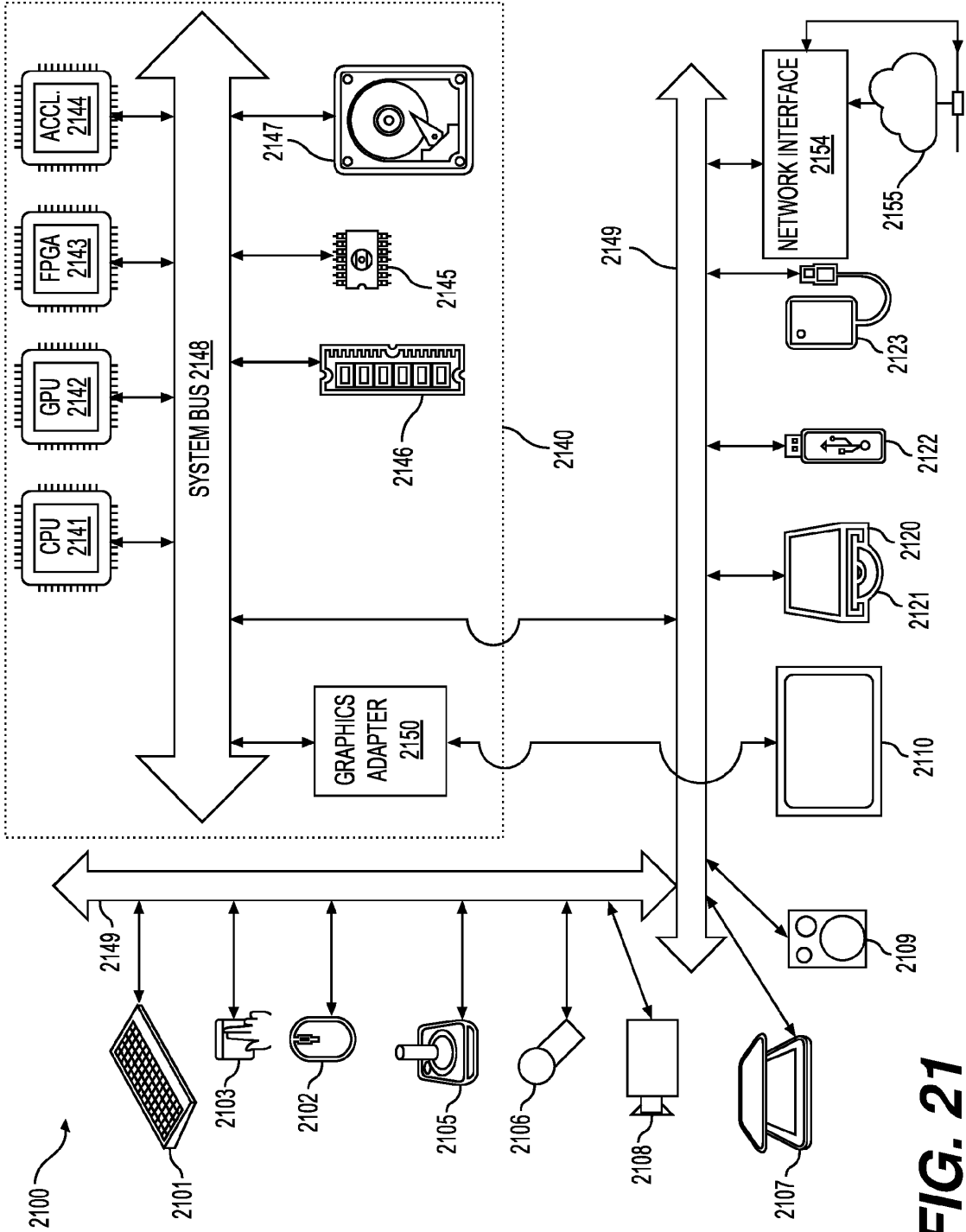


FIG. 21