

	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									

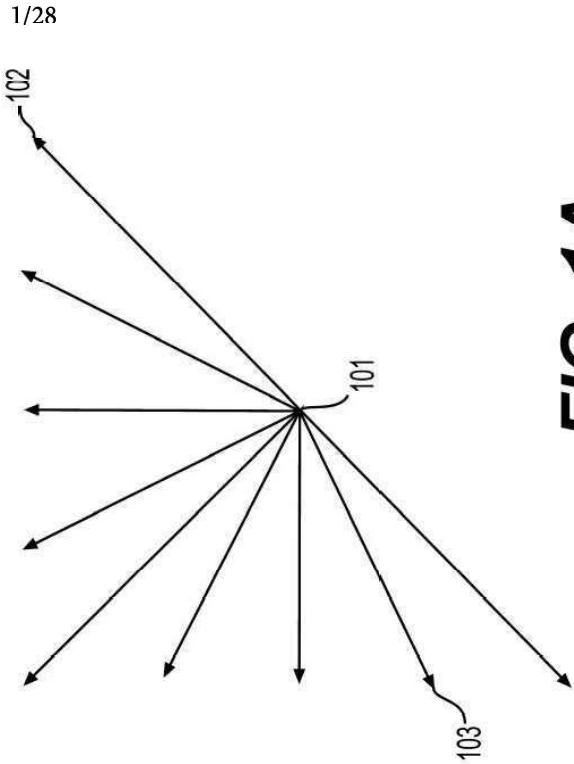
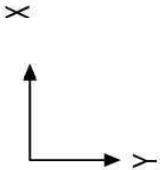


FIG. 1A

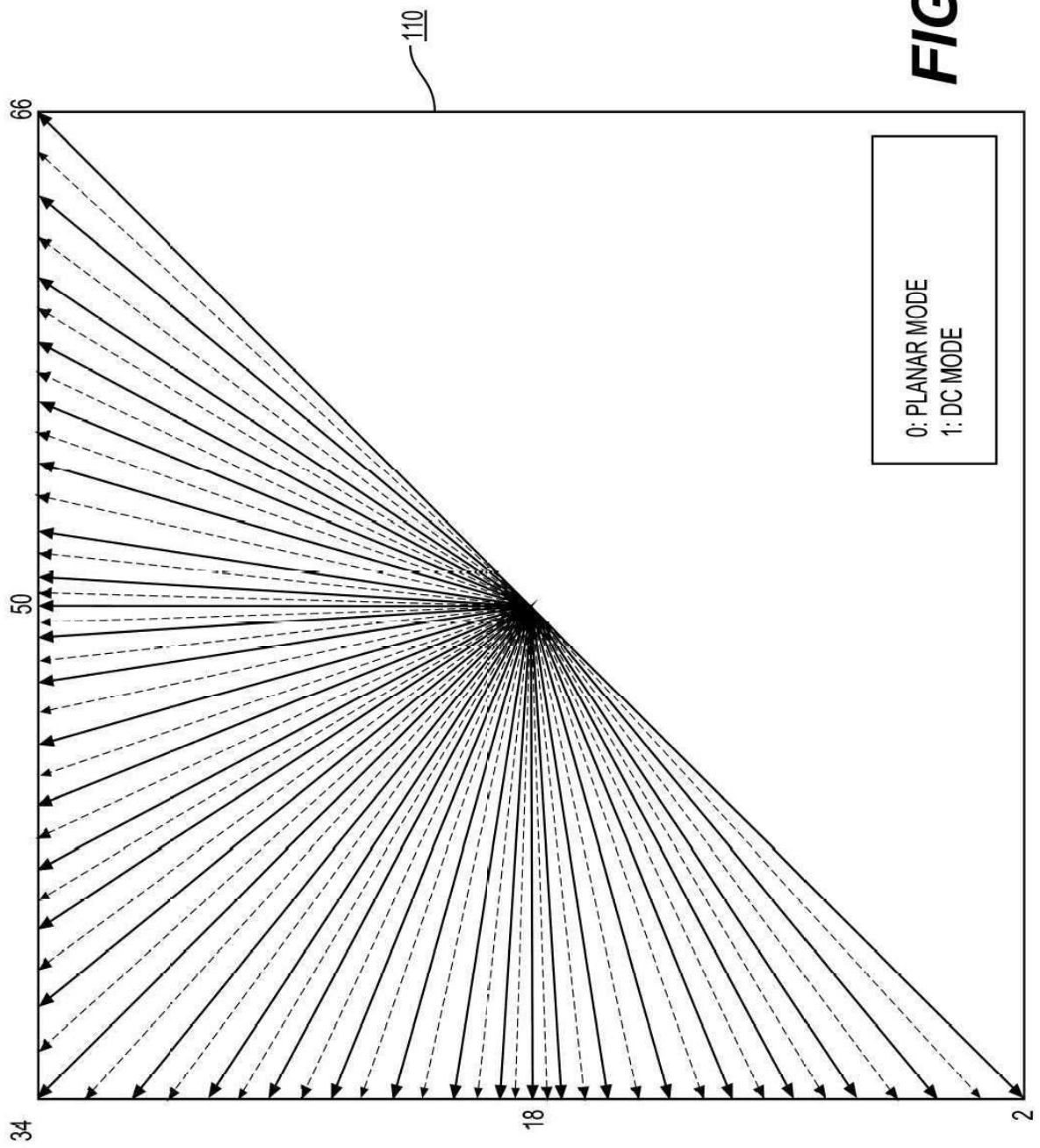


FIG. 1B

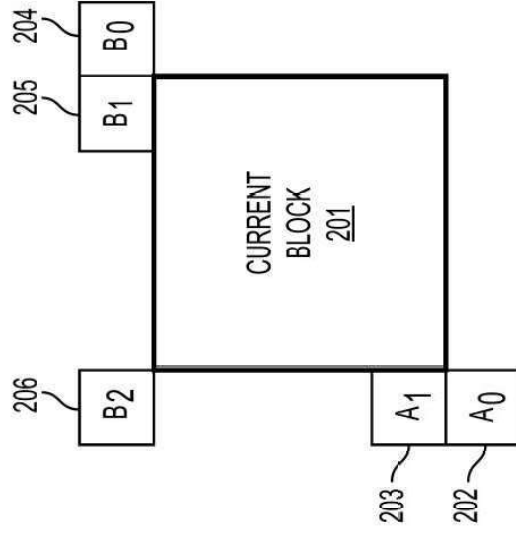


FIG. 2
(Related Art)

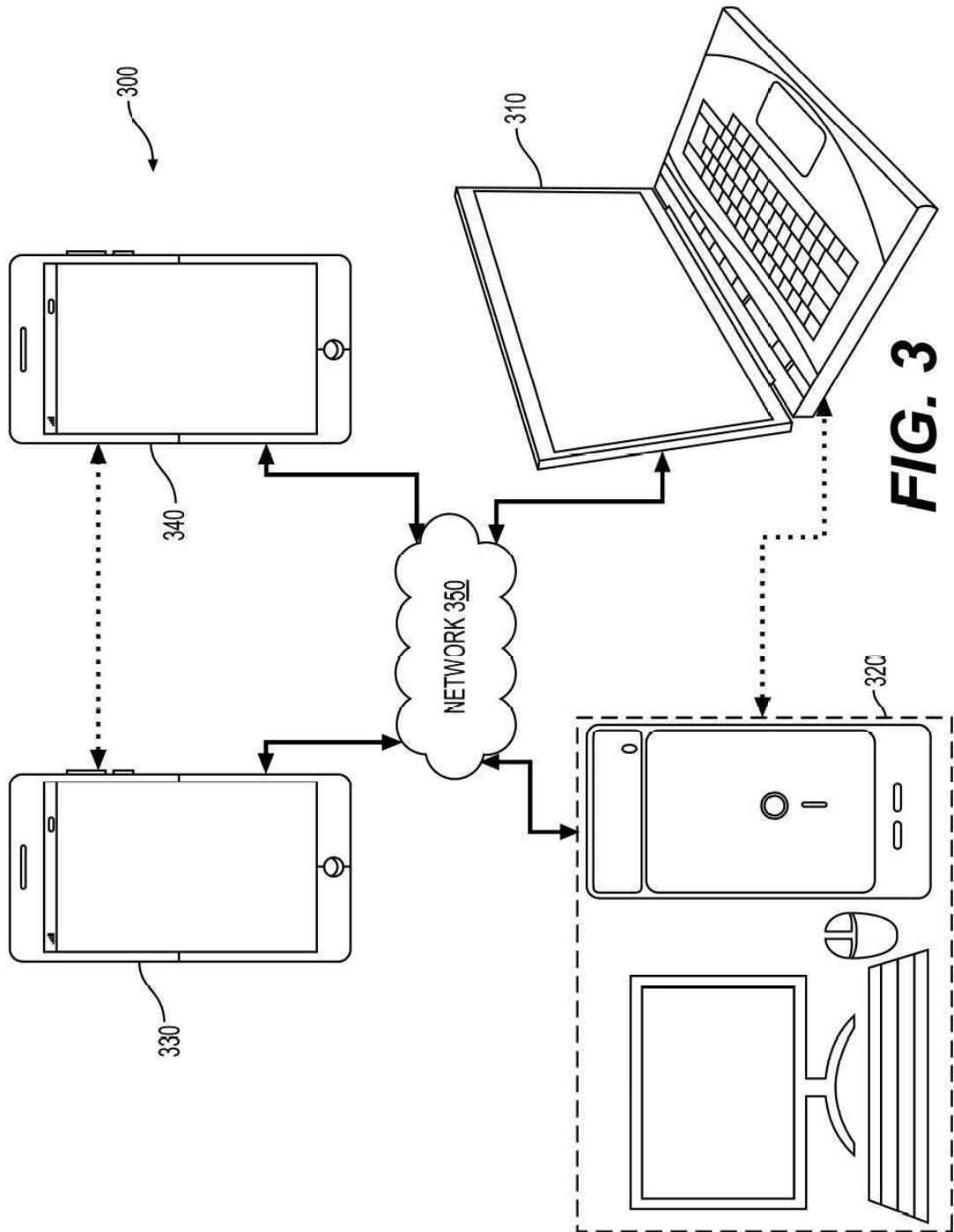


FIG. 3

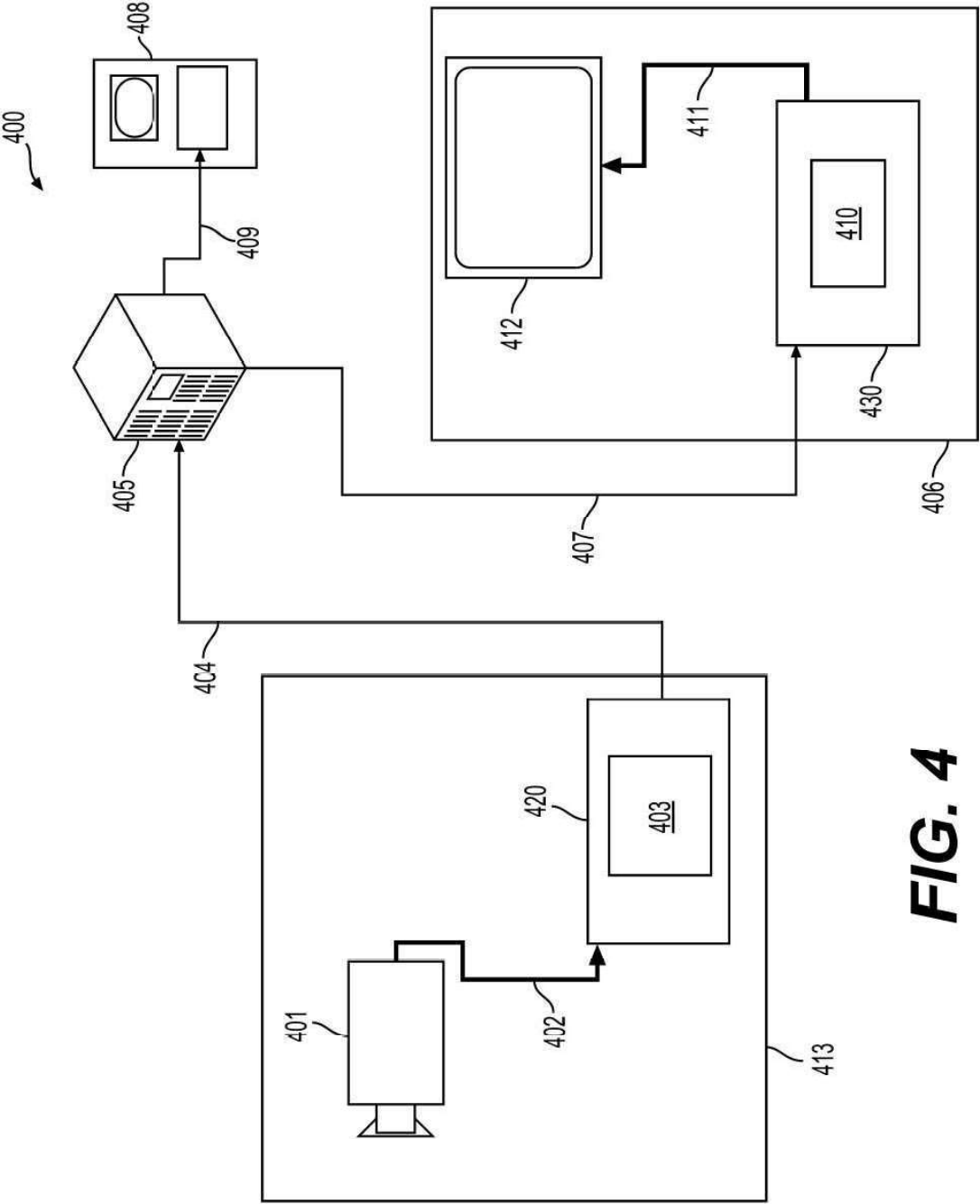
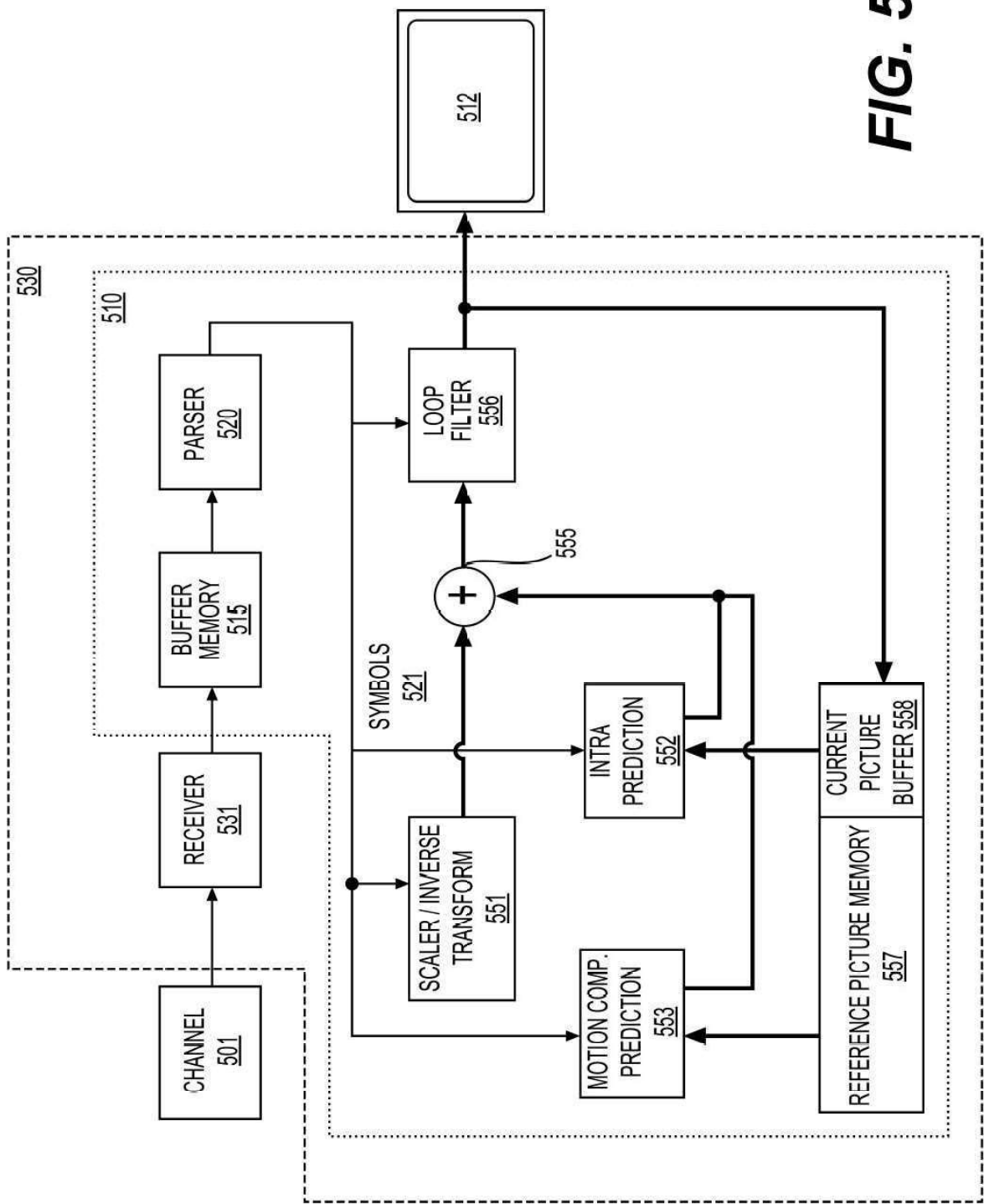
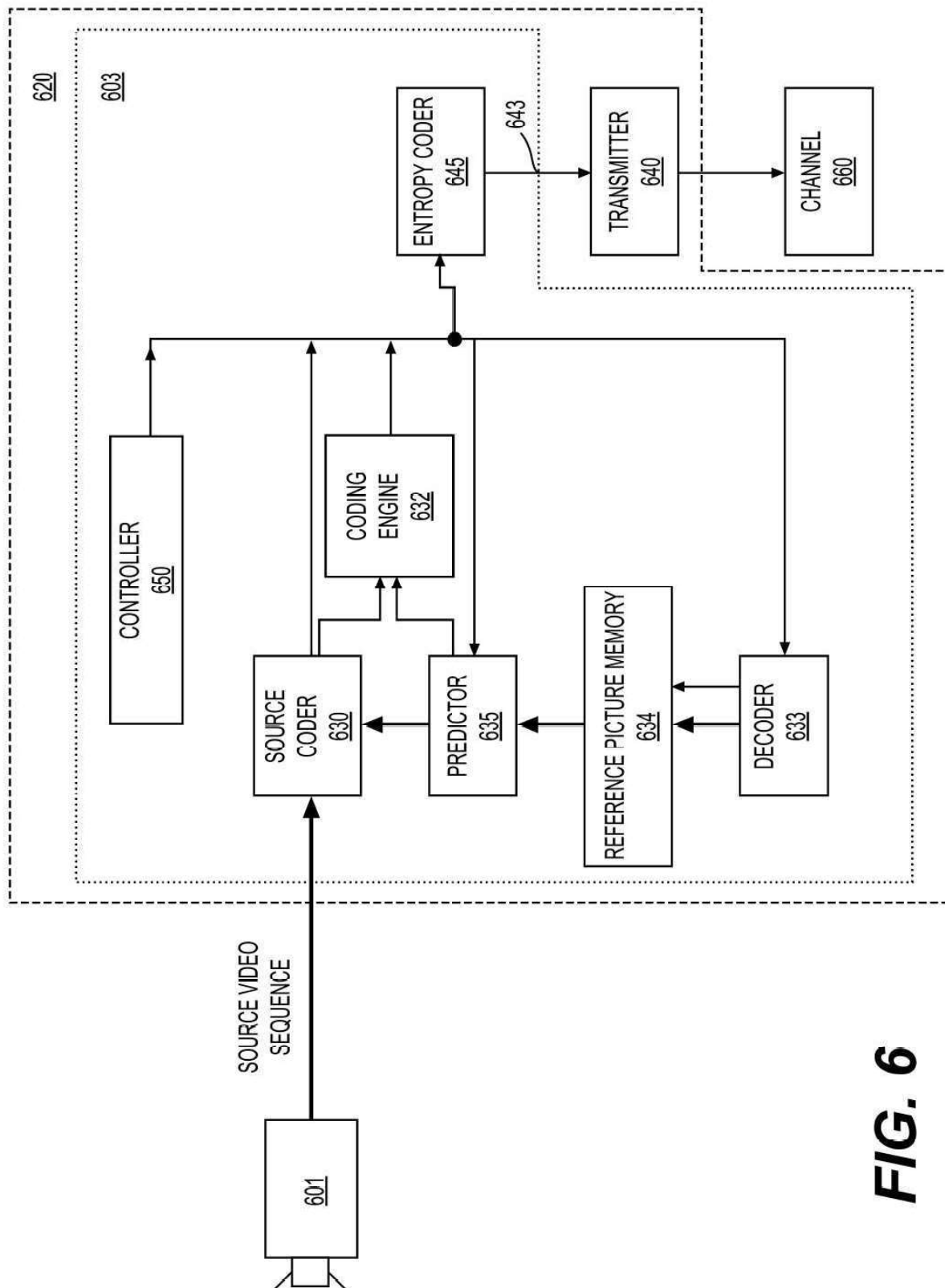
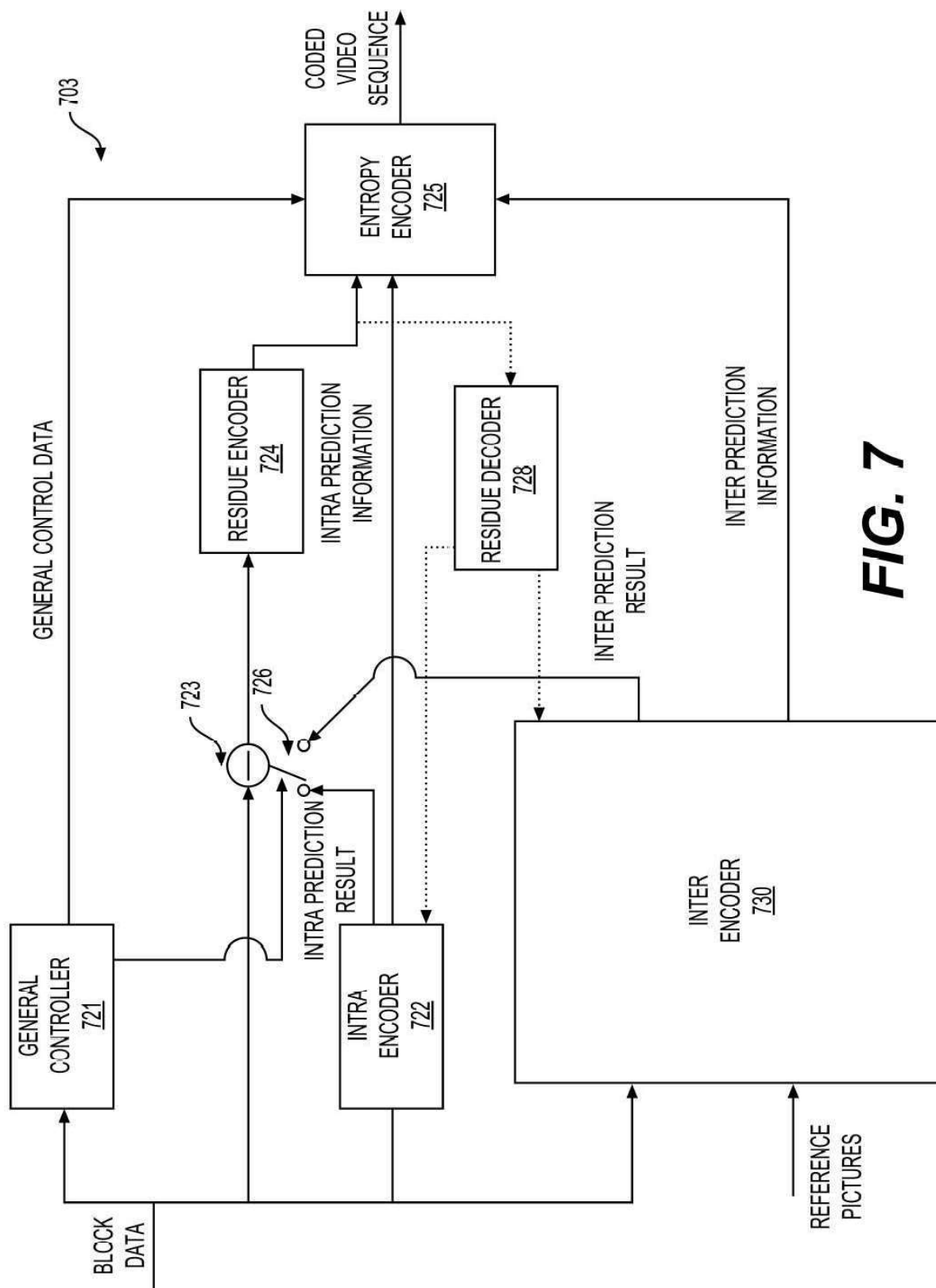


FIG. 4



**FIG. 6**

**FIG. 7**

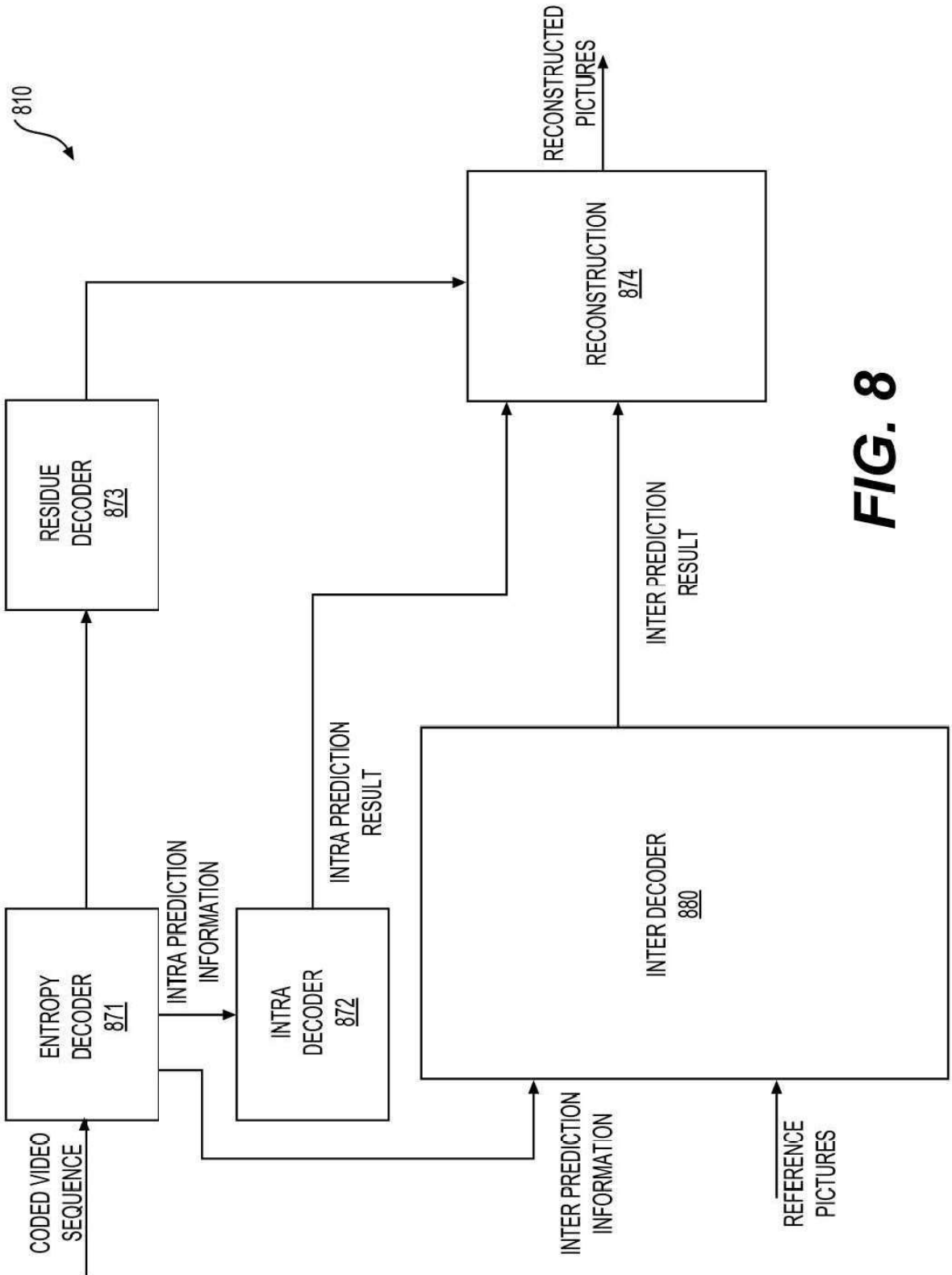


FIG. 8

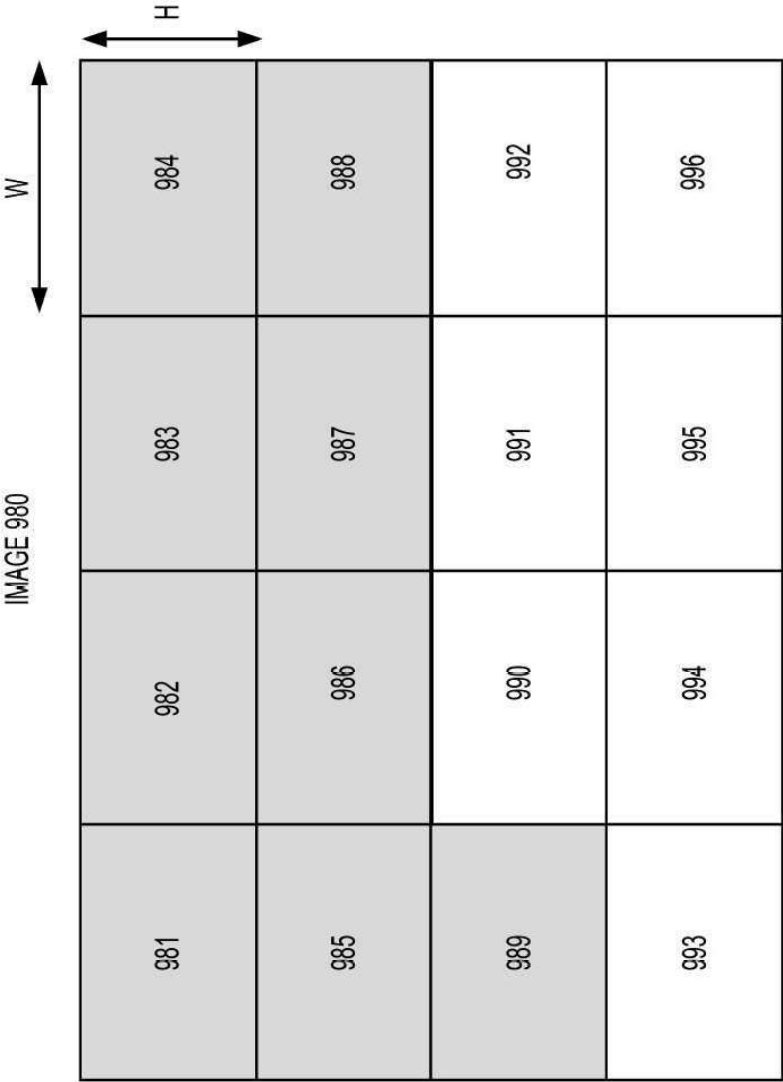


FIG. 9A



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

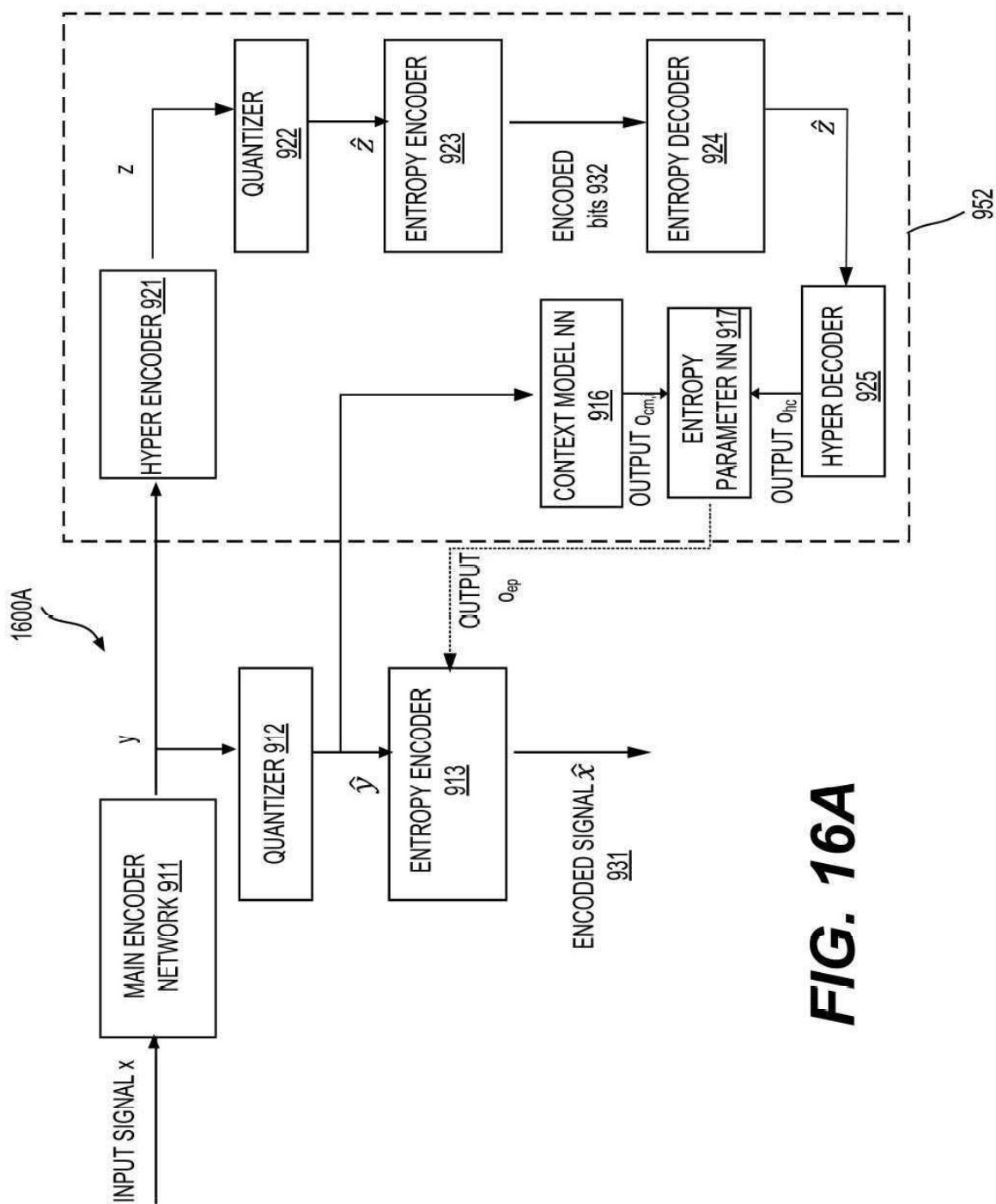
Context model NN

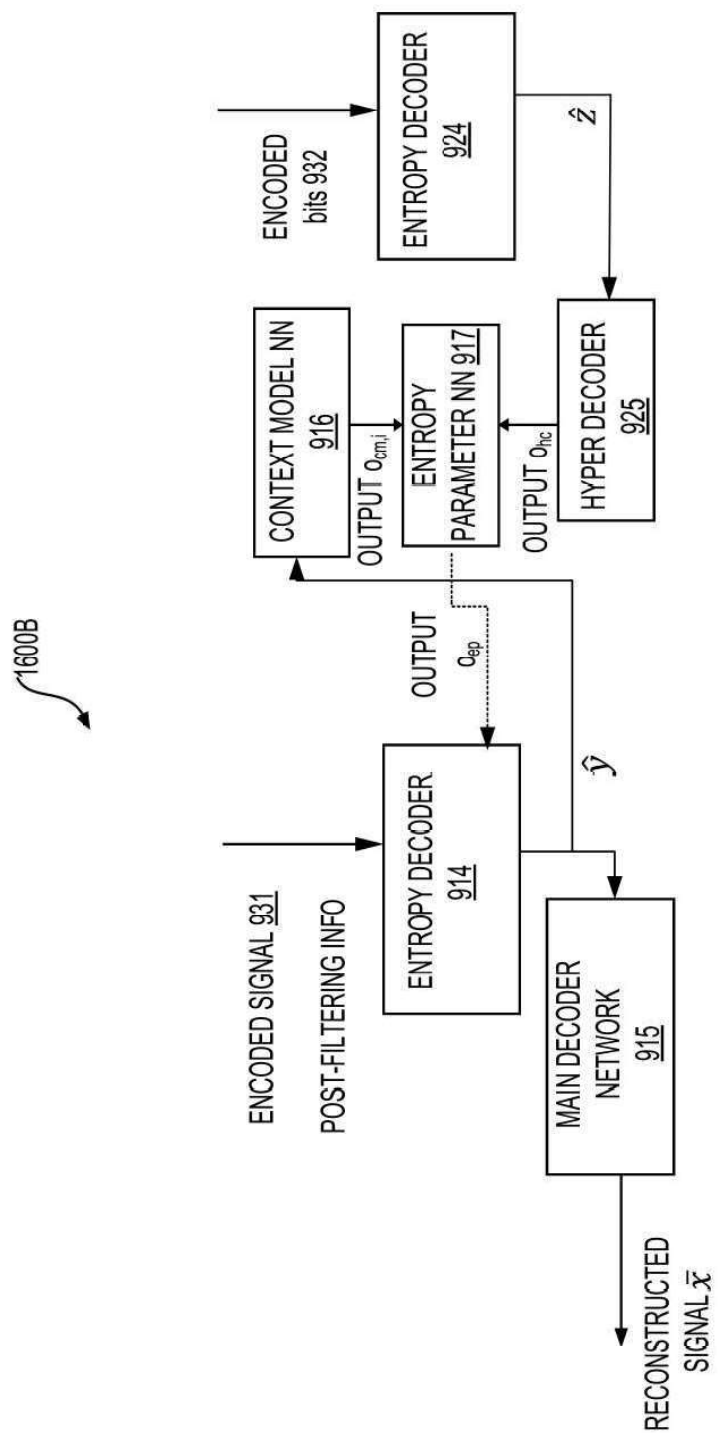
Masked: 5x5 c384 s1

FIG. 15

Entropy parameter NN

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



**FIG. 16B**

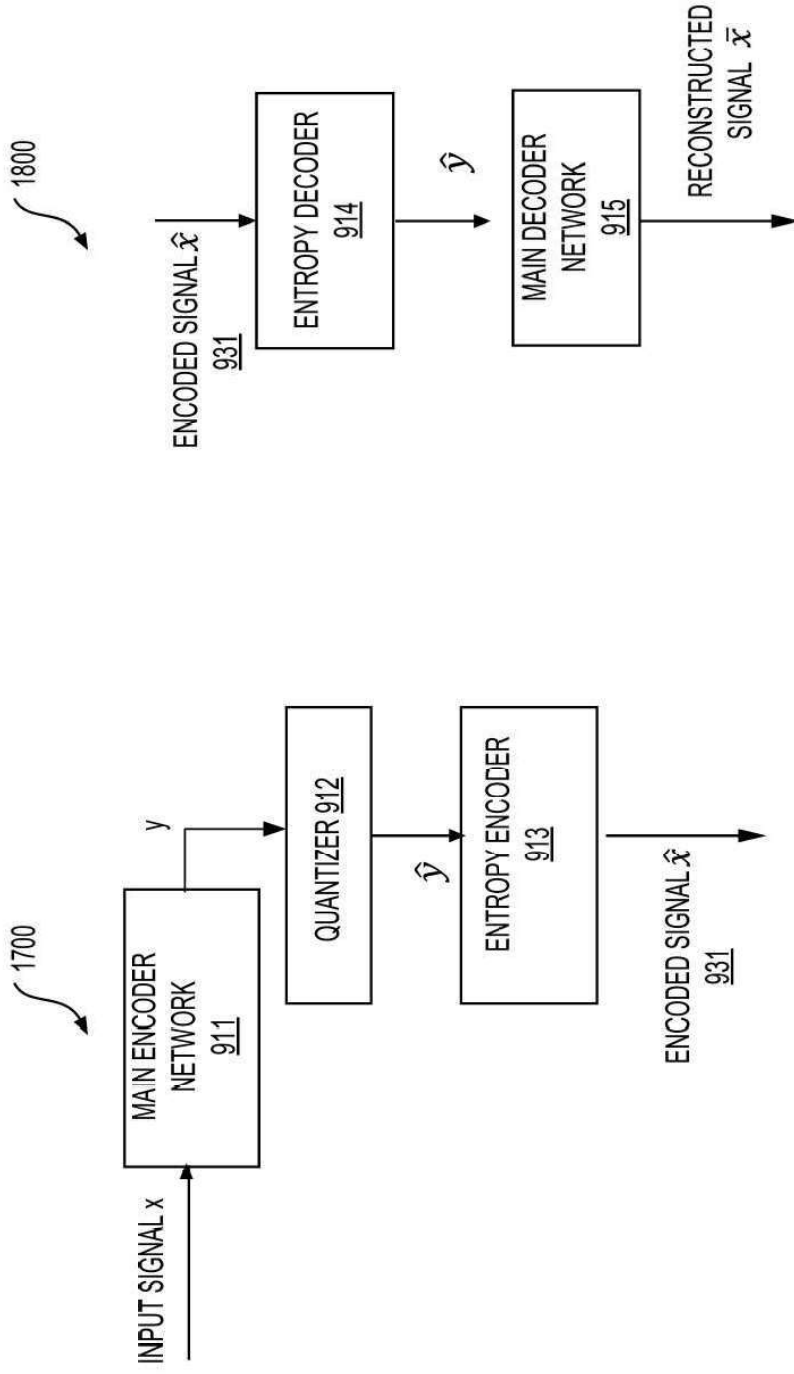


FIG. 18

FIG. 17

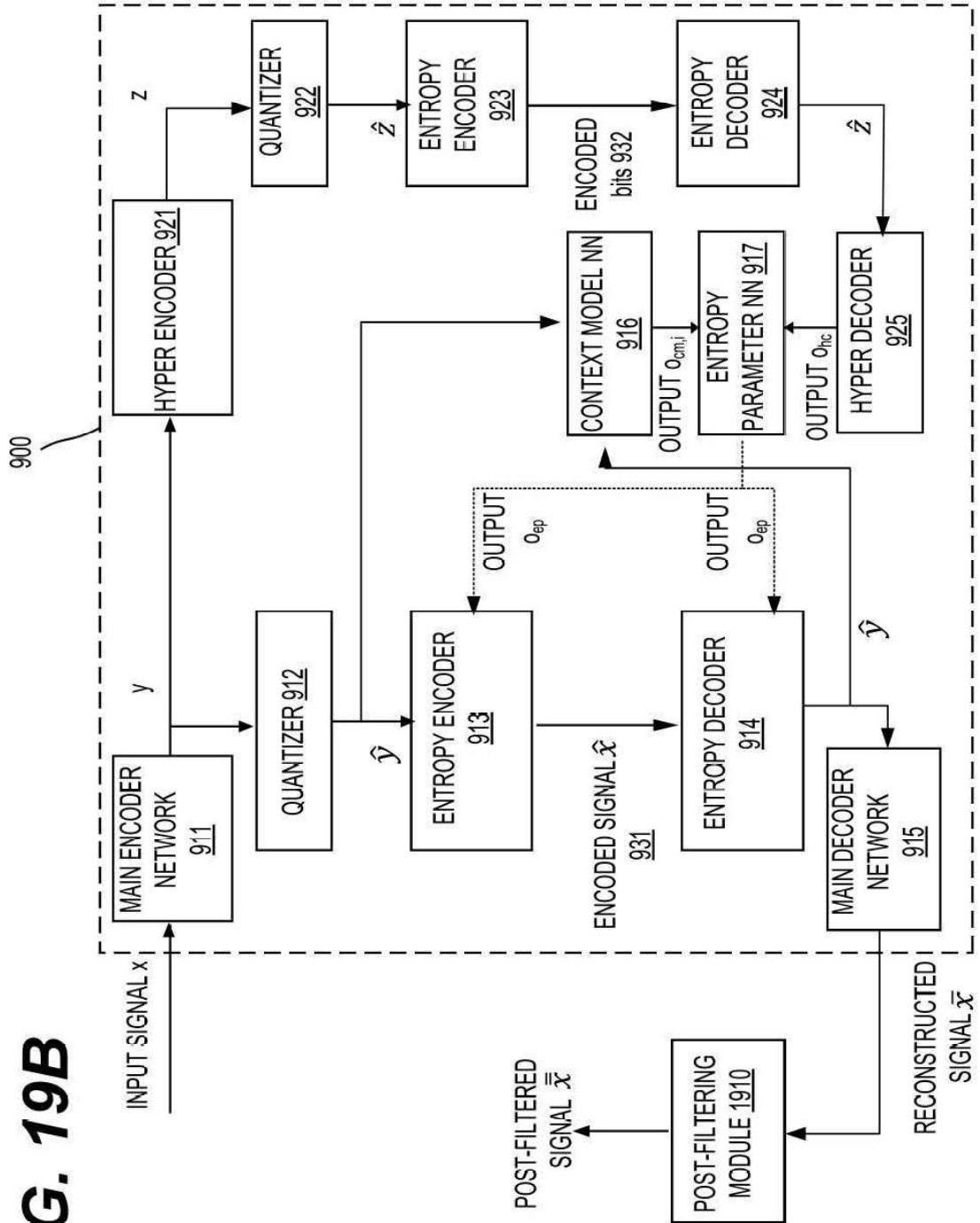
IMAGE 1980

W

H

1981	1982	1983	1984
1985	1986	1987	1988
1989	1990	1991	1992
1993	1994	1995	1996

FIG. 19A

FIG. 19B

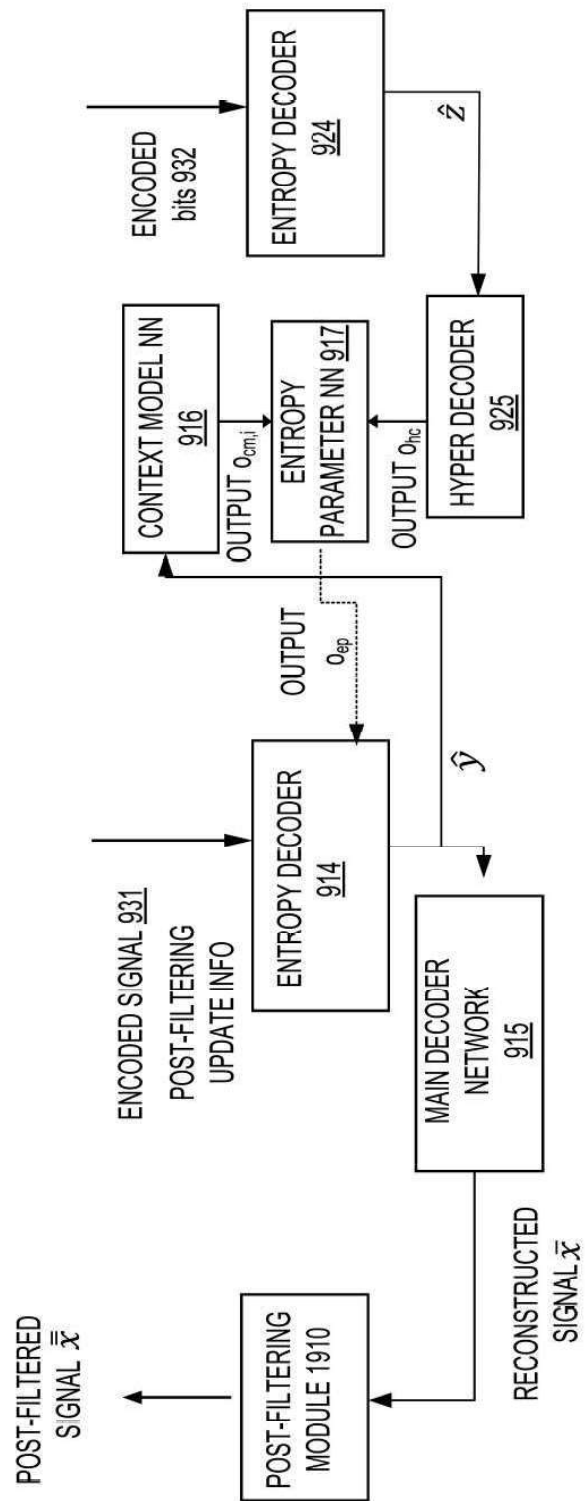


FIG. 20A

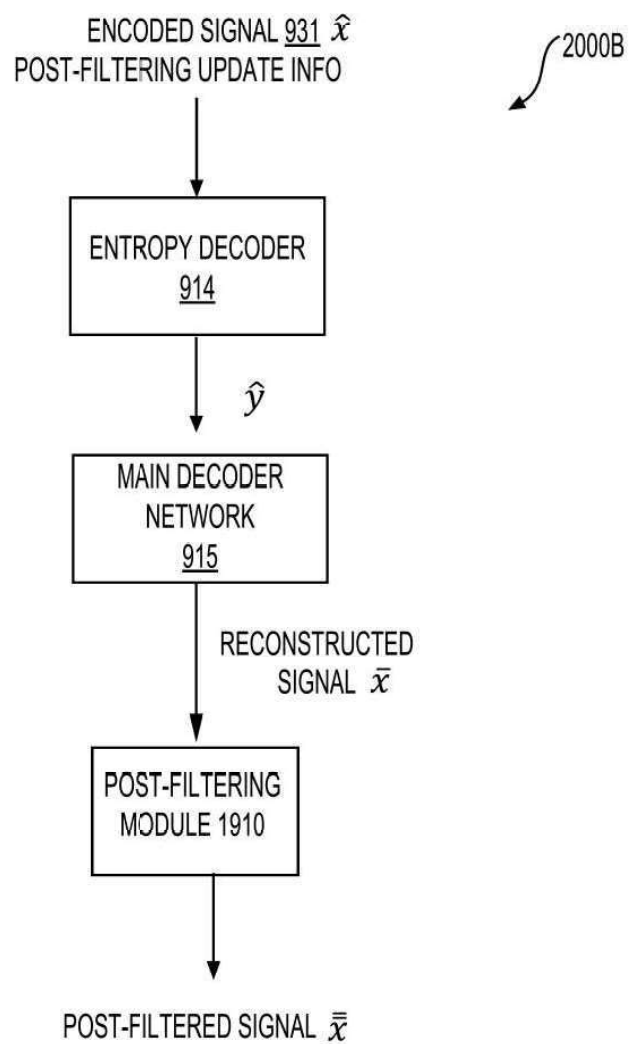
**FIG. 20B**

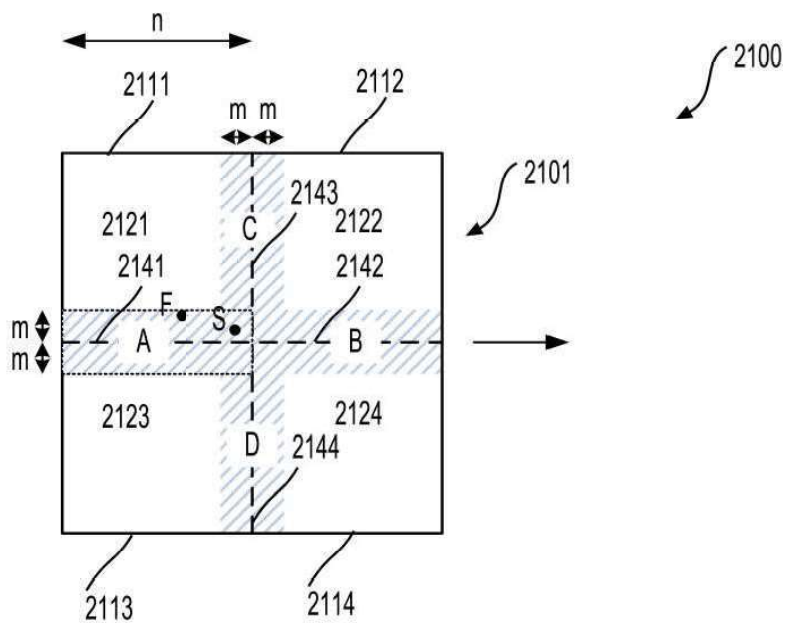
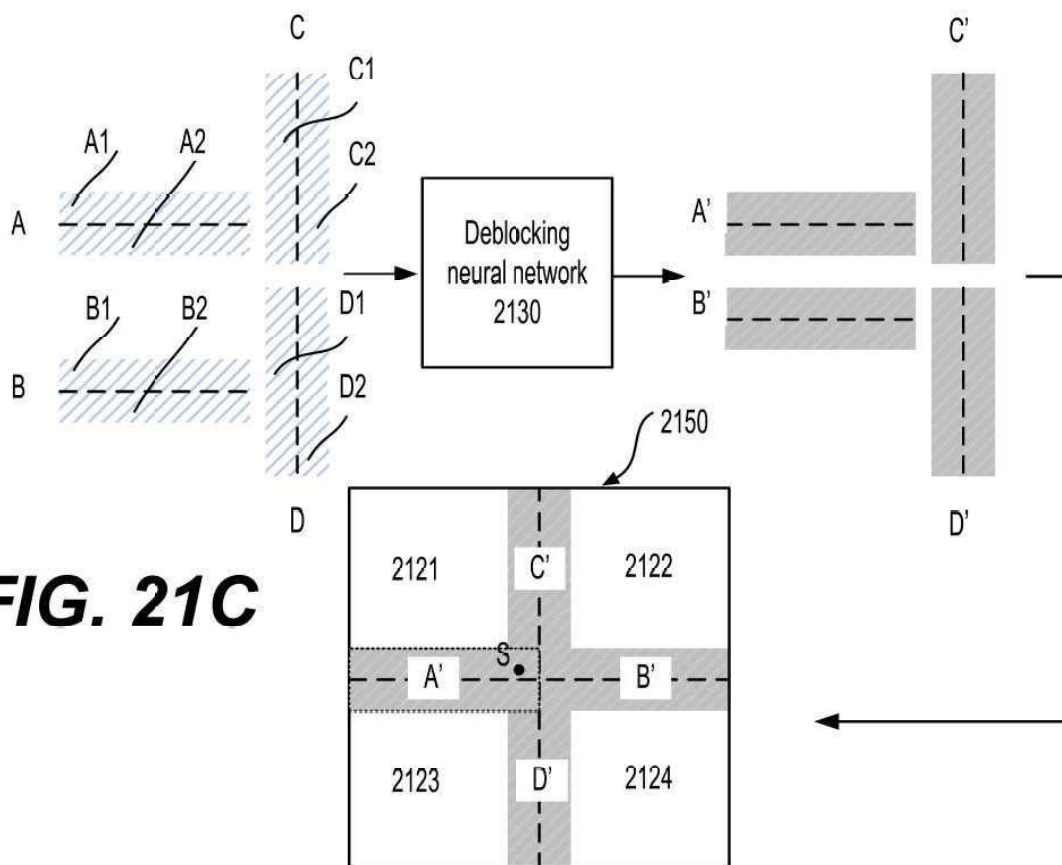
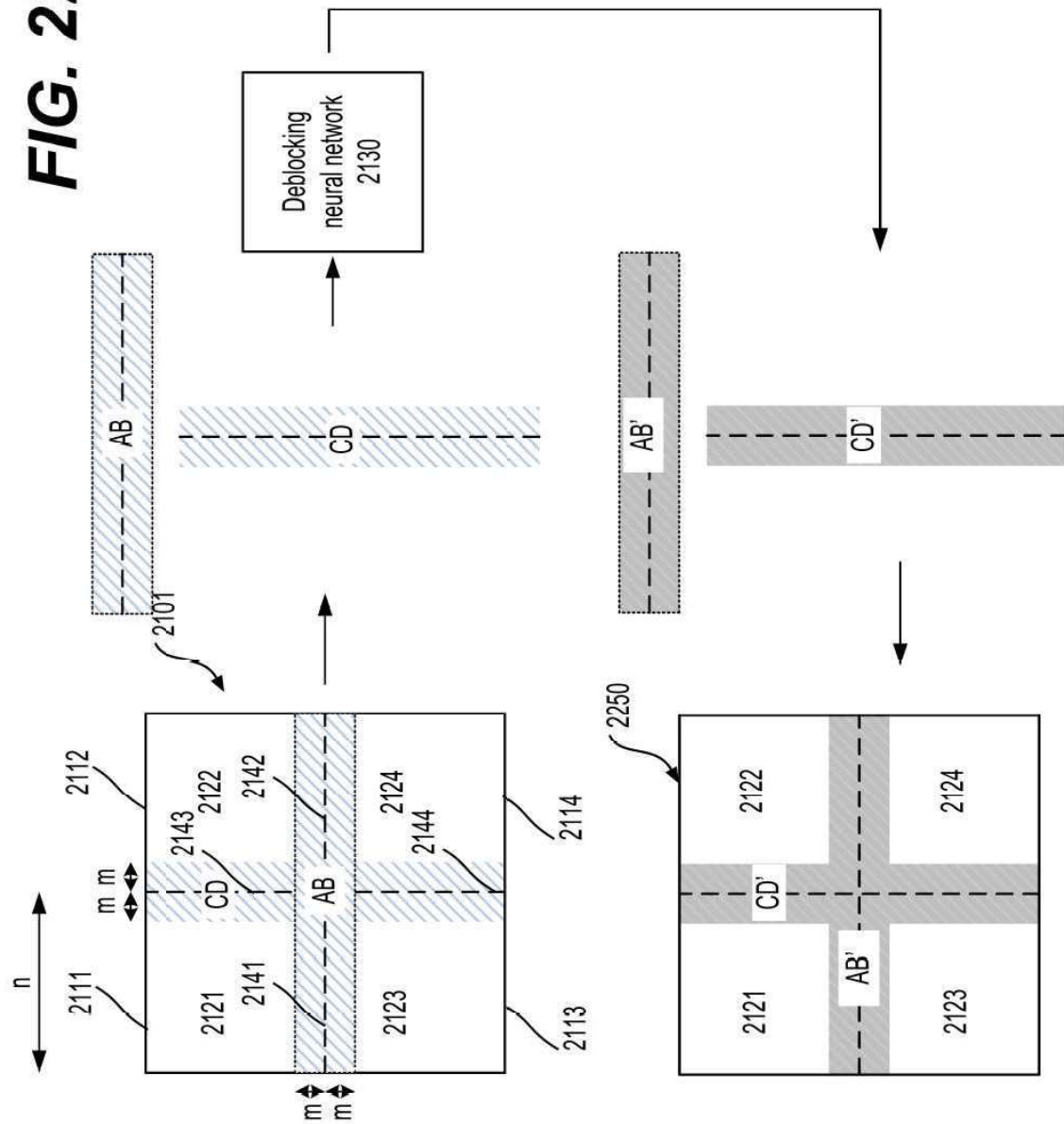
FIG. 21A**FIG. 21B****FIG. 21C**

FIG. 22

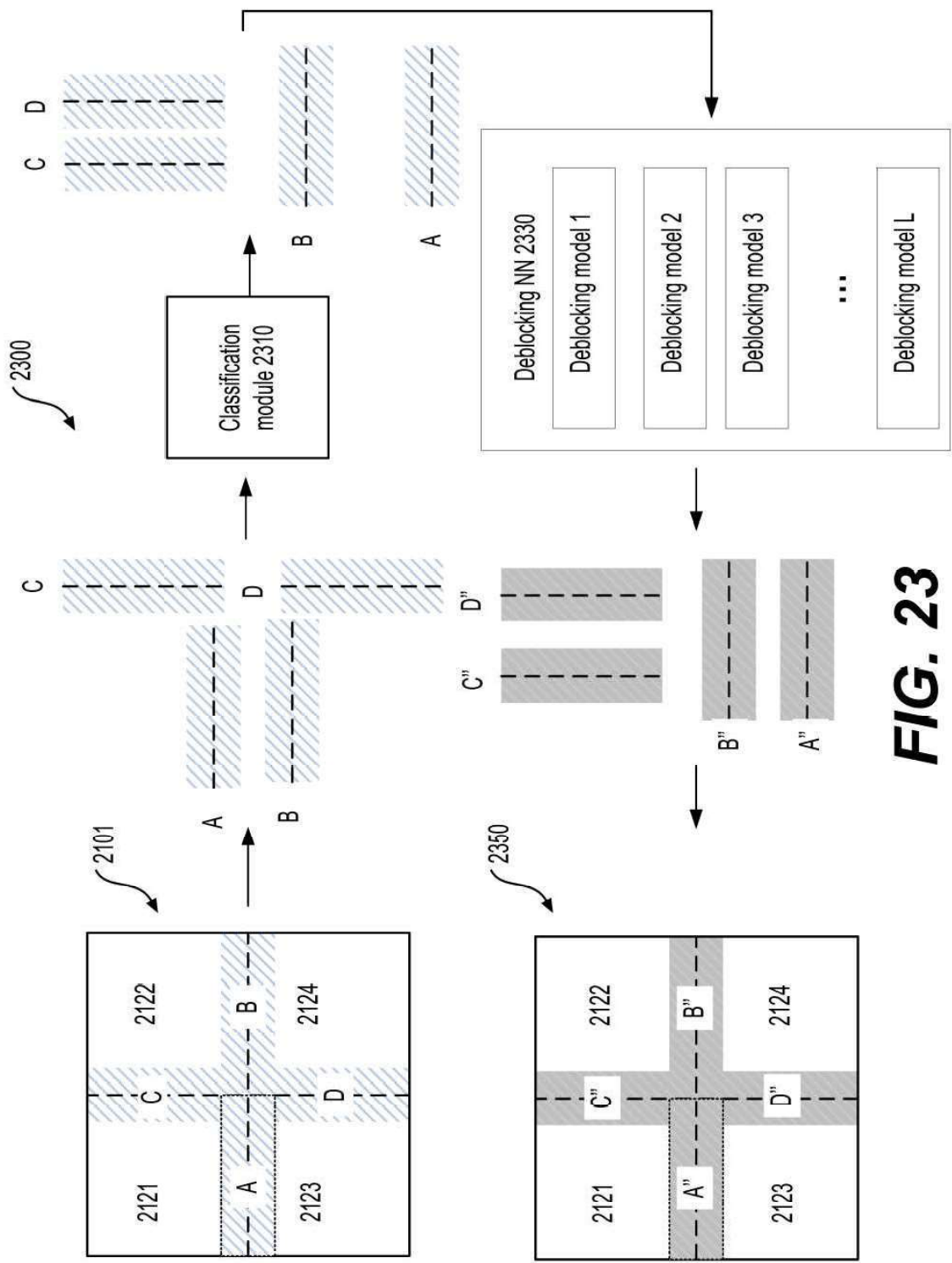
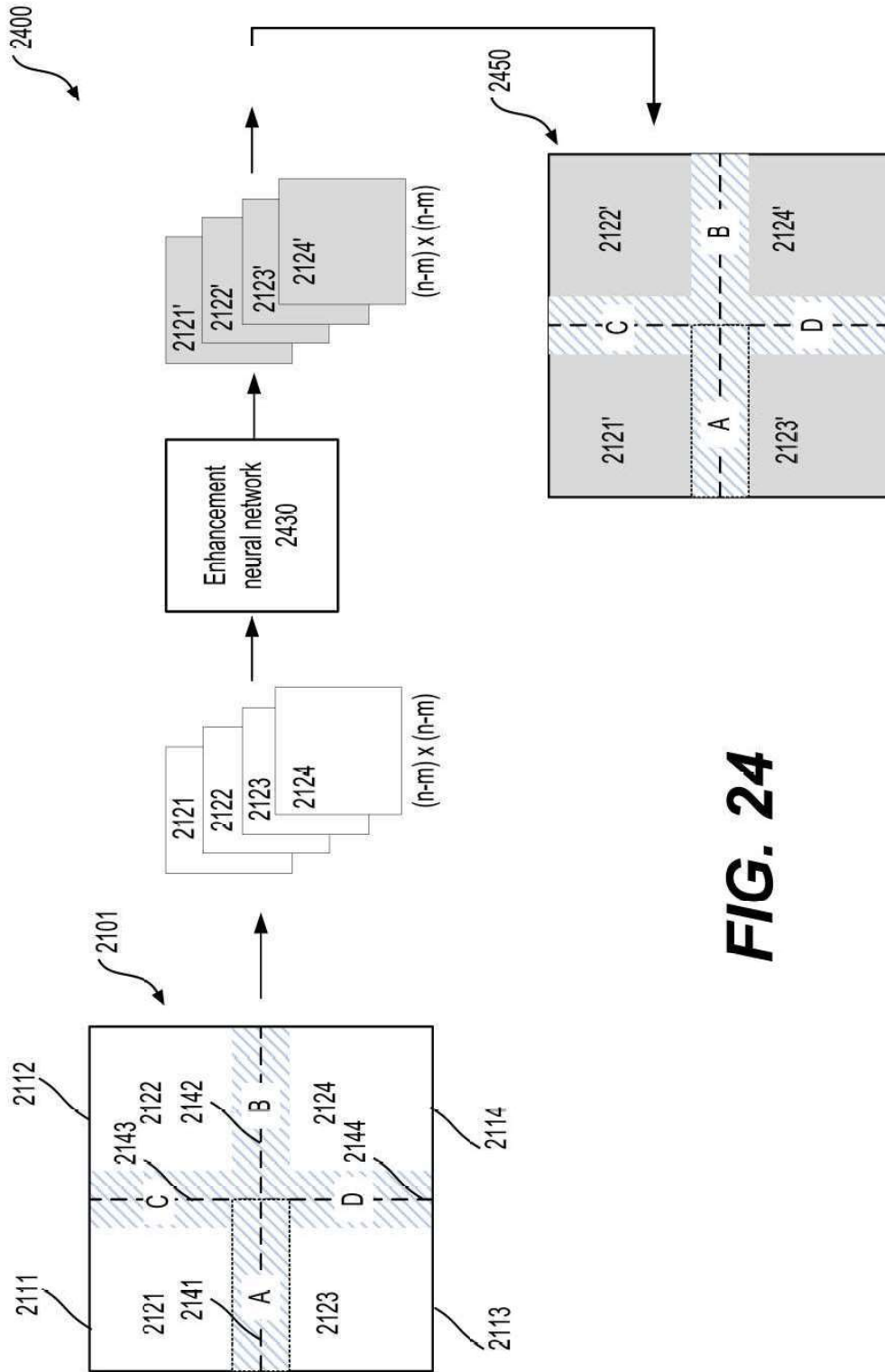
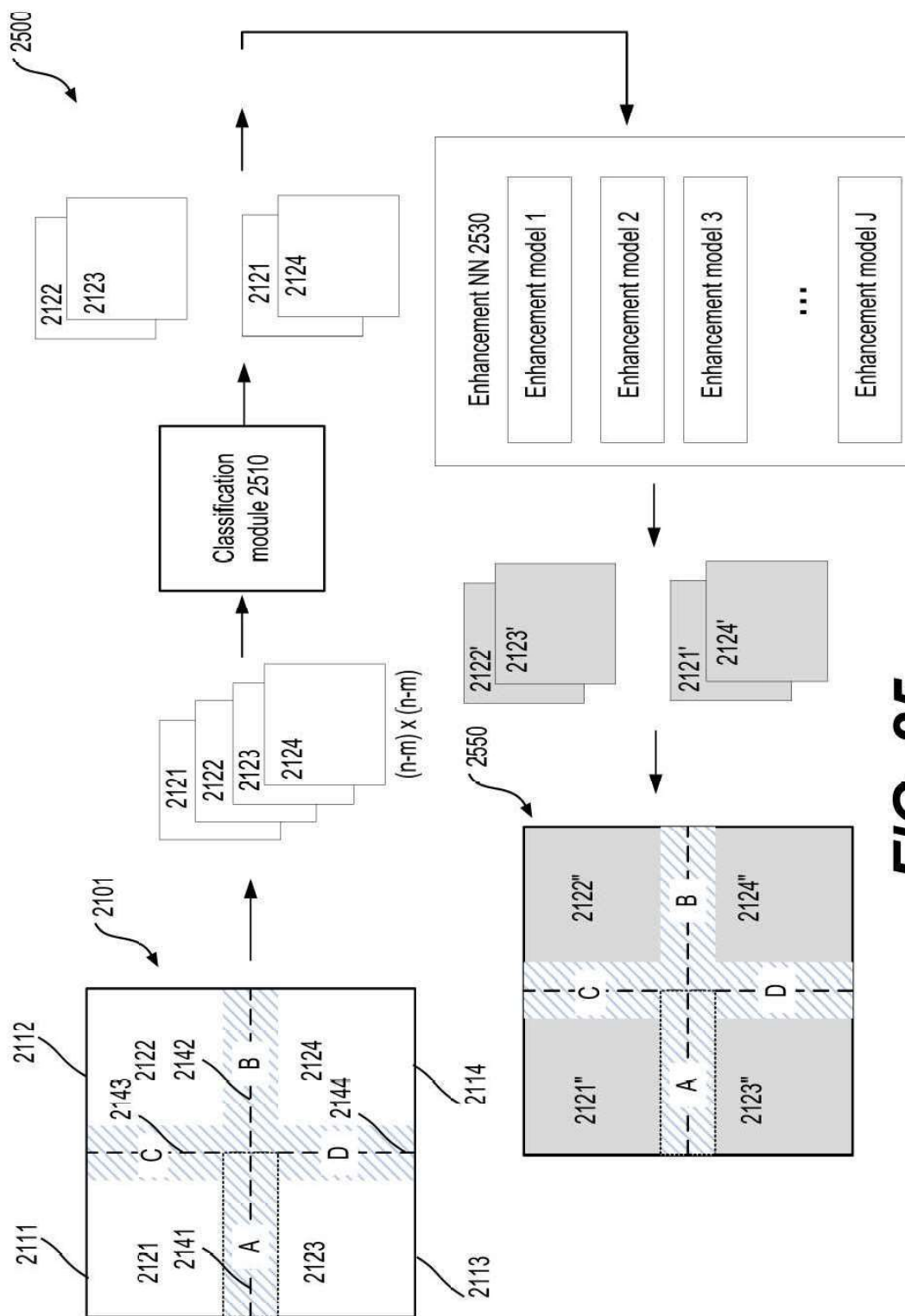


FIG. 23



**FIG. 25**

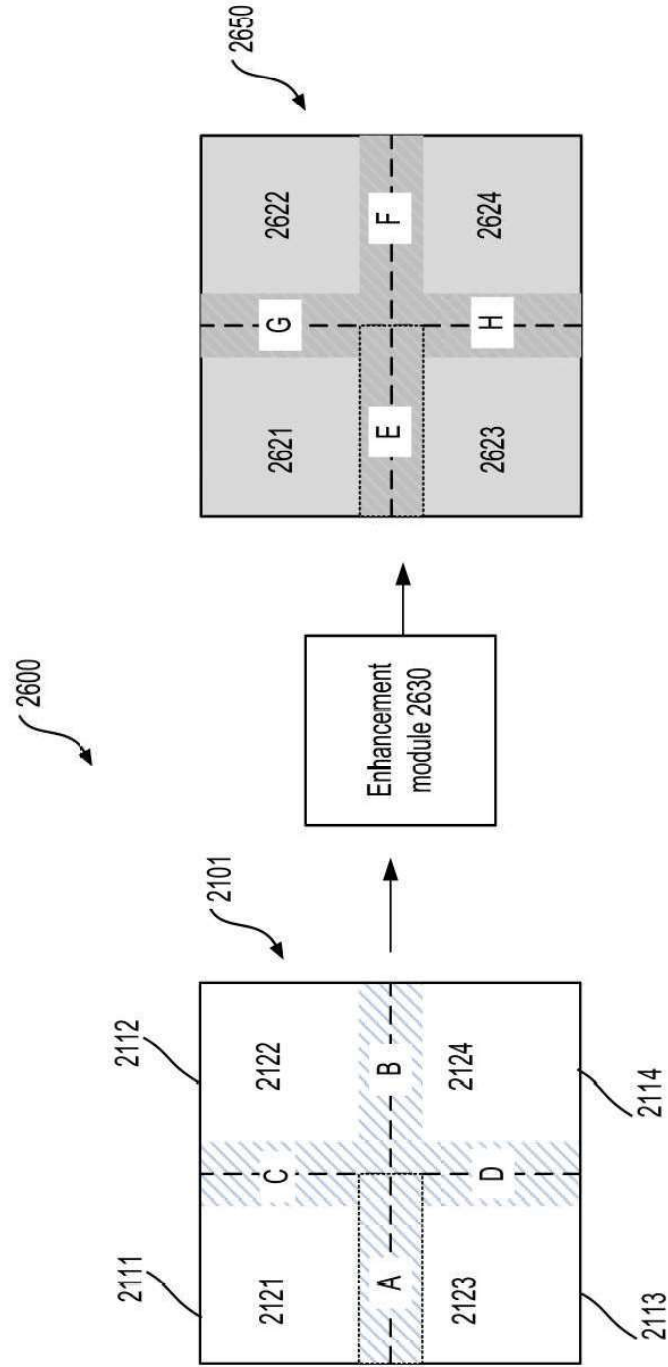
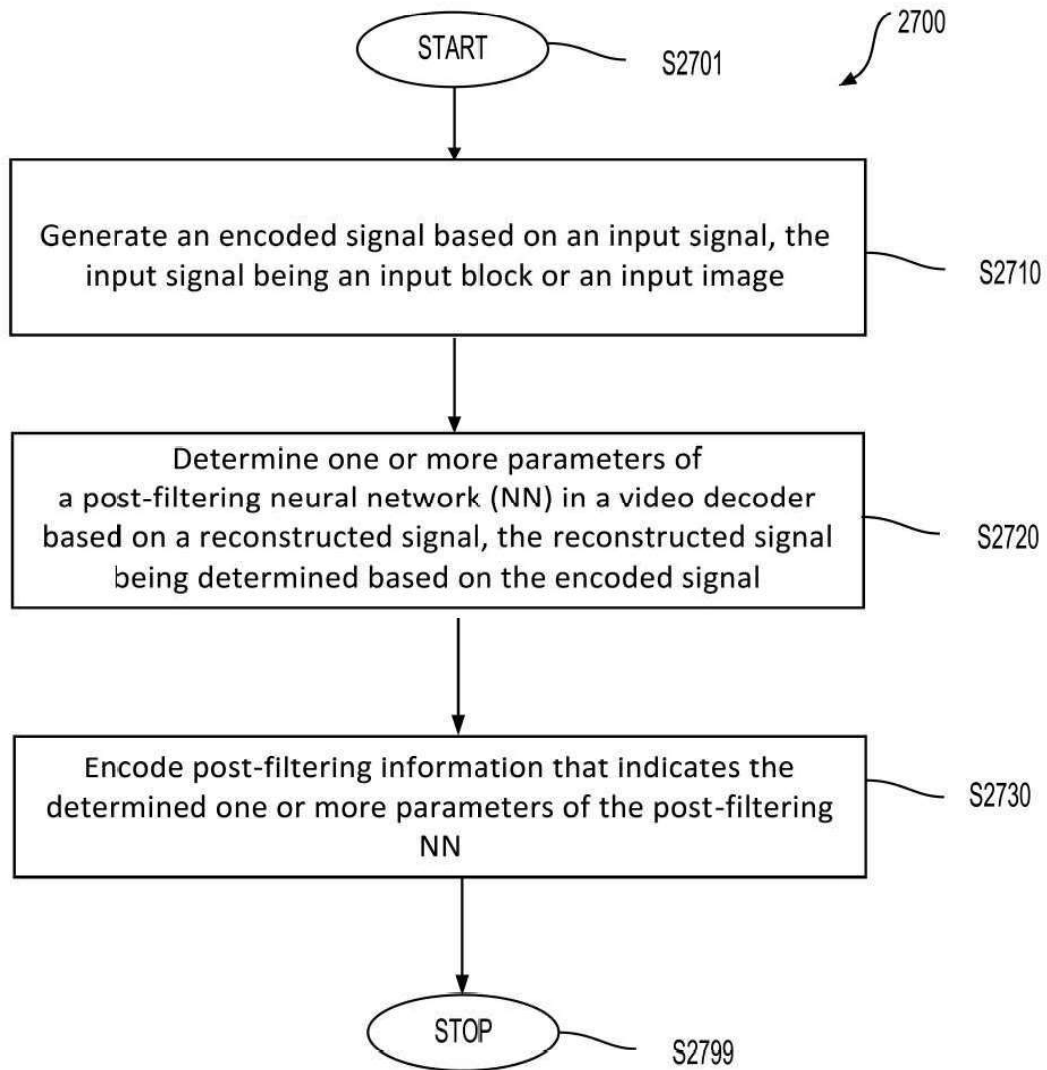
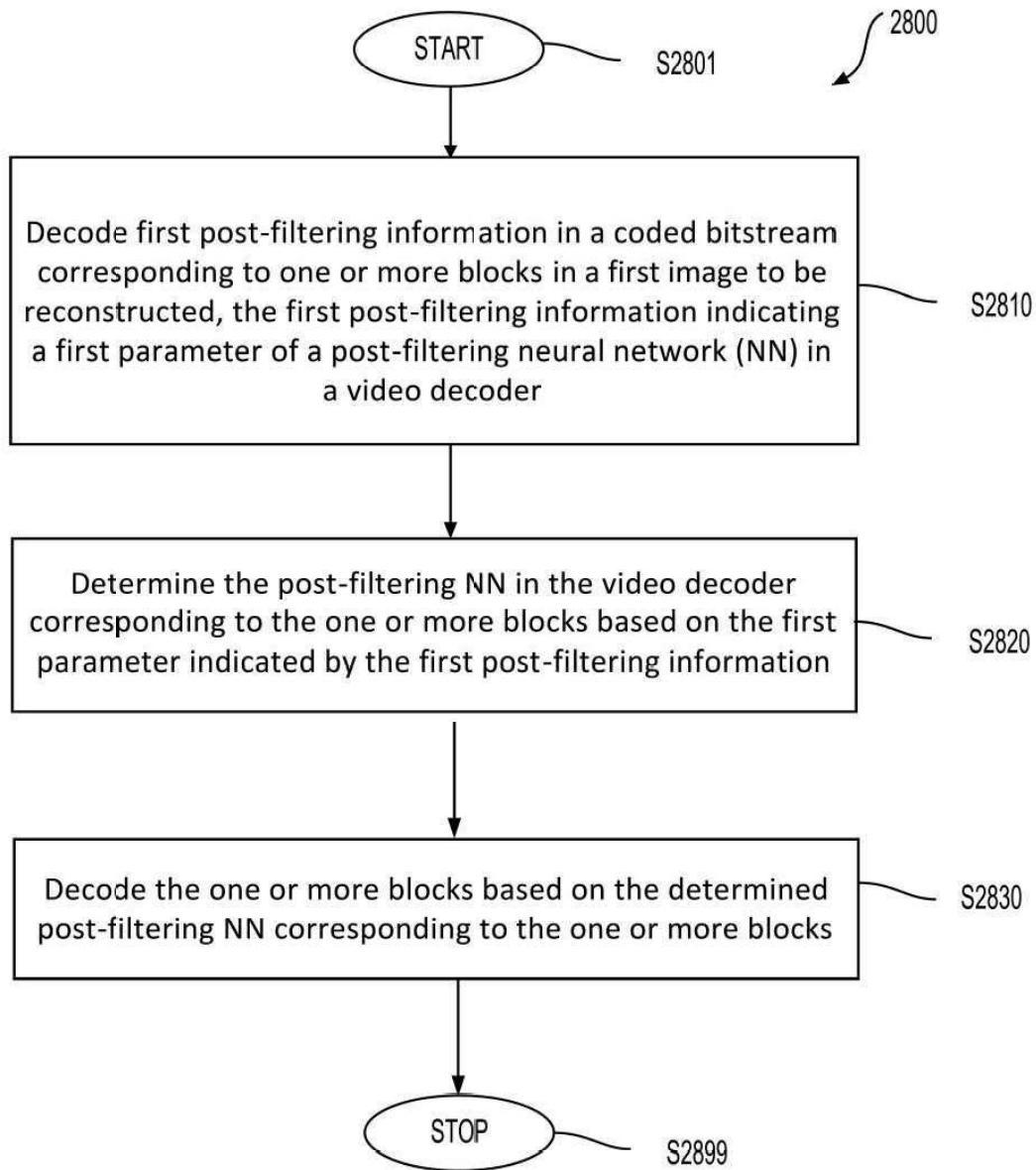


FIG. 26

**FIG. 27**

**FIG. 28**

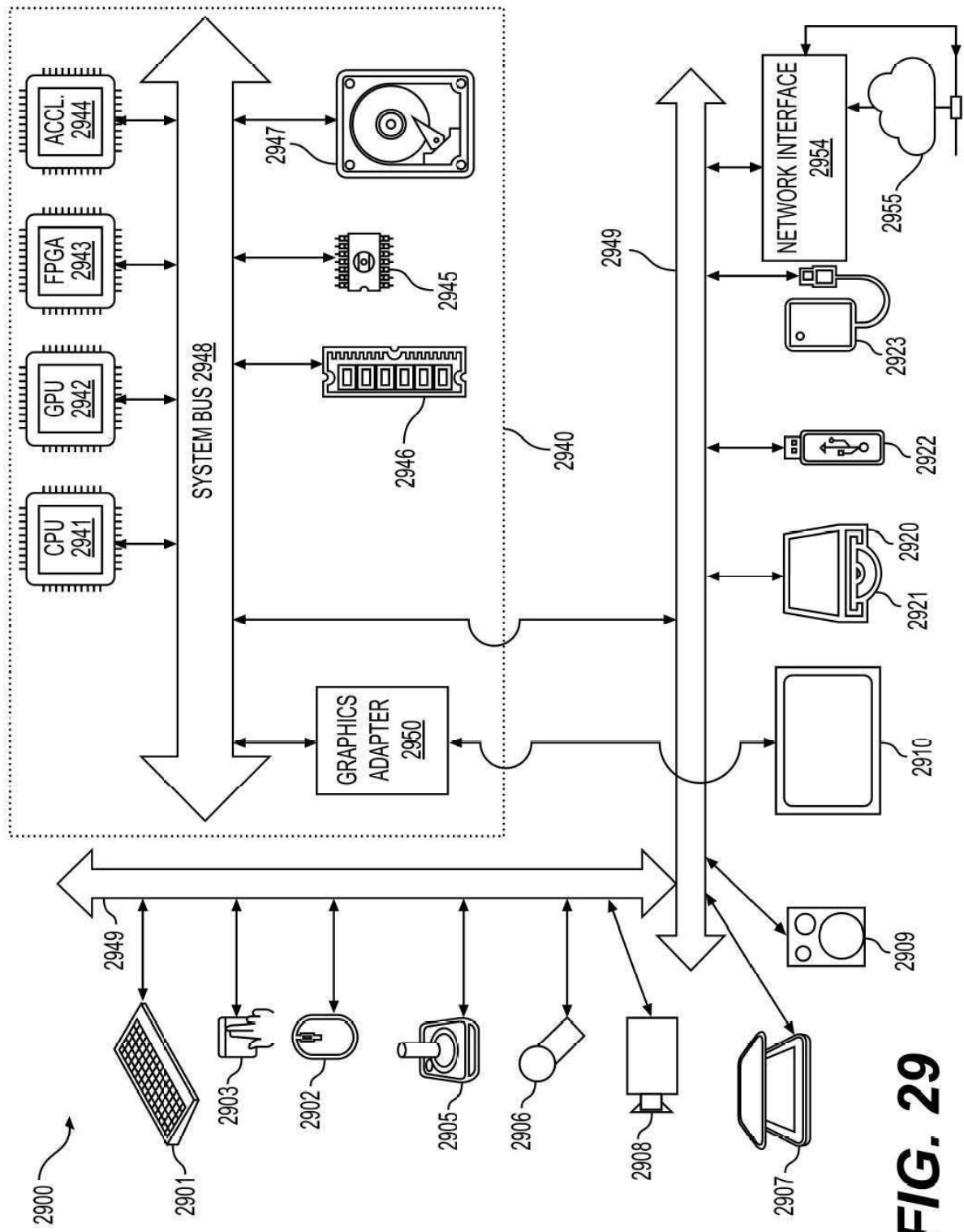


FIG. 29