Format	Resolution (pixels/line x lines/frame)	Bit Rate at 30 fps (Mbps)
SQCIF (Sub Quarter CIF)	128 x 96	4.4
QCIF (Quarter CIF)	176 x 144	9.1
CIF (Full CIF, FCIF)	352 x 288	36.5
4CIF (4 x CIF)	704 x 576	146.0
16CIF (16 x CIF)	1408 x 1152	583.9

FIG. 1
Prior Art

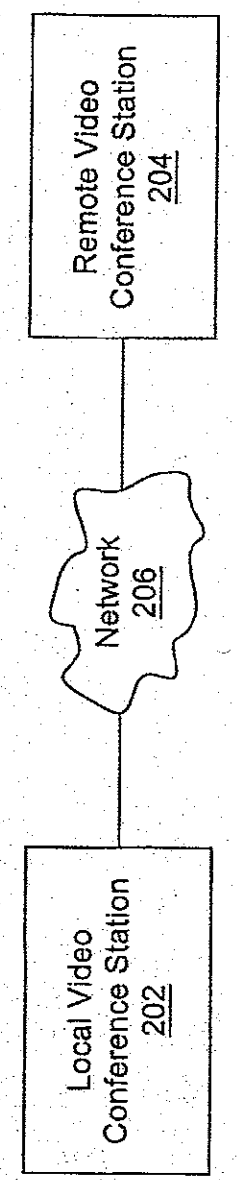

Remote Video Conference Station 204
Network 206
Local Video Conference Station 202
200

FIG. 2

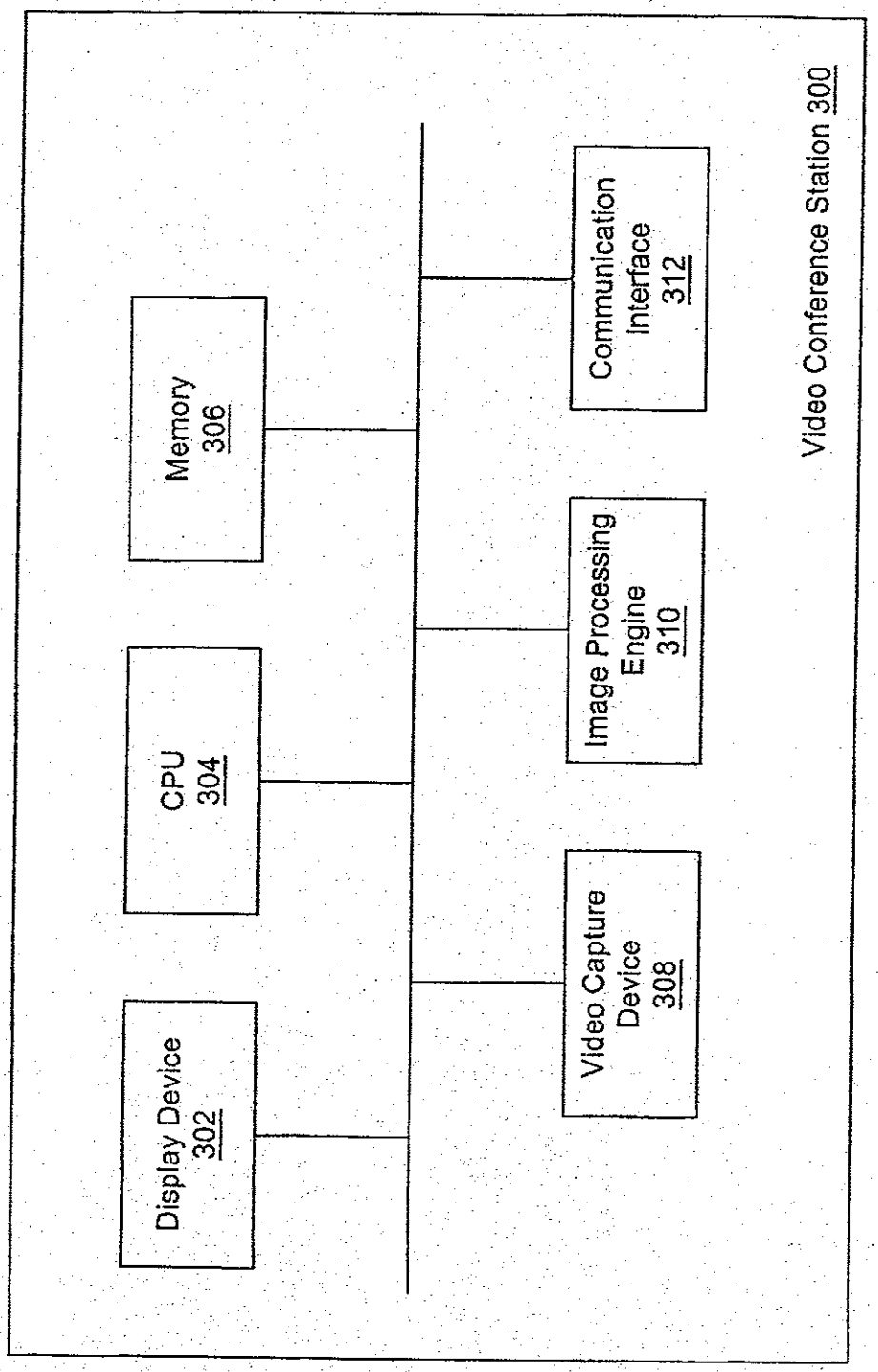

Video Conference Station 300
Communication Interface 312
Memory 306
Image Processing Engine 310
CPU 304
Video Capture Device 308
Display Device 302

FIG. 3

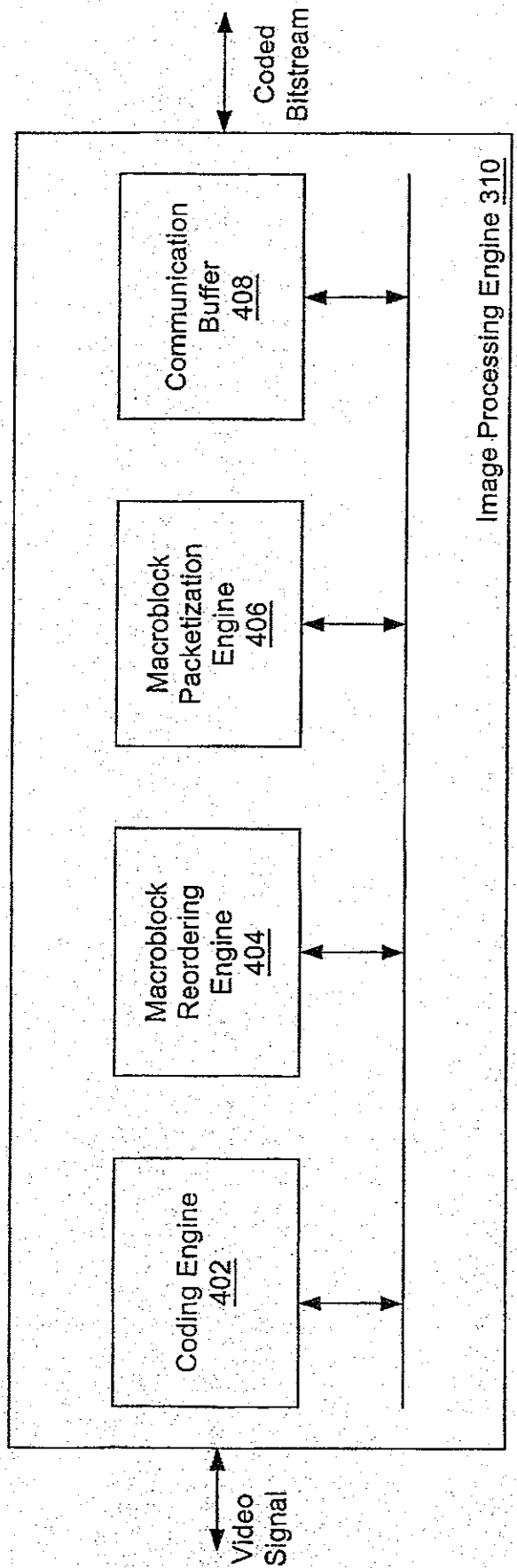

Coded Bitstream
Image Processing Engine 310
Communication Buffer 408
Macroblock Packetization Engine 406
Macroblock Reordering Engine 404
Coding Engine 402
Video Signal

FIG. 4

1	3	5	2	4	6	1	3	5	2	4
2	4	6	1	3	5	2	4	6	1	5
1	3	5	2	4	6	1	3	5	2	4
2	4	6	1	3	5	2	4	6	1	5
1	3	5	2	4	6	1	3	5	2	4
2	4	6	1	3	5	2	4	6	1	5
1	3	5	2	4	6	1	3	5	2	4
2	4	6	1	3	5	2	4	6	1	5
1	3	5	2	4	6	1	3	5	2	4

FIG. 5

1	3	x	2	4	6	1	3	x	2	4
2	4	6	1	3	x	2	4	6	1	x
1	3	x	2	4	6	1	3	x	2	4
2	4	6	1	3	x	2	4	6	1	x
1	3	x	2	4	6	1	3	x	2	4
2	4	6	1	3	x	2	4	6	1	x
1	3	x	2	4	6	1	3	x	2	4
2	4	6	1	3	x	2	4	6	1	x
1	3	x	2	4	6	1	3	x	2	4

FIG. 6

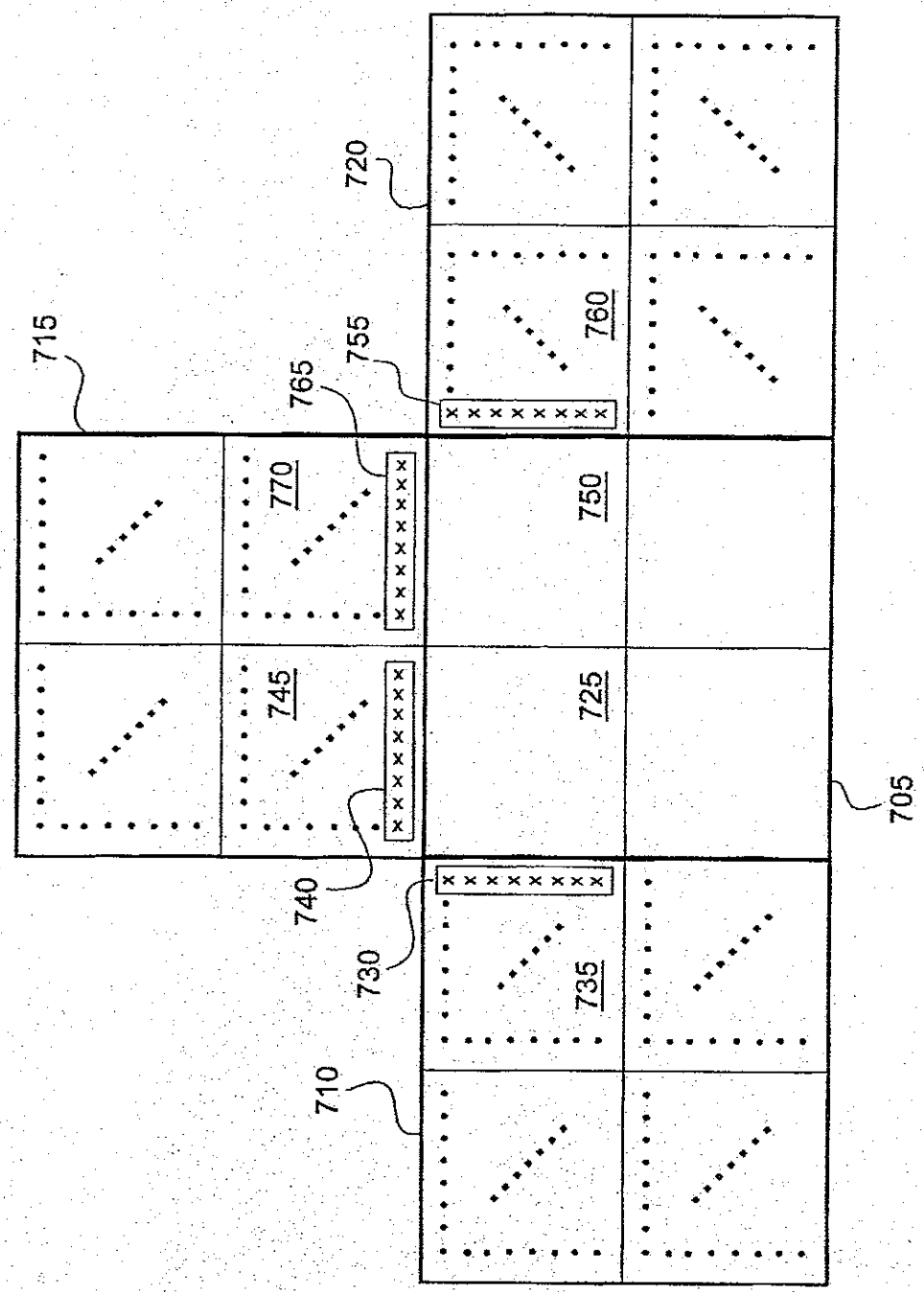


FIG. 7

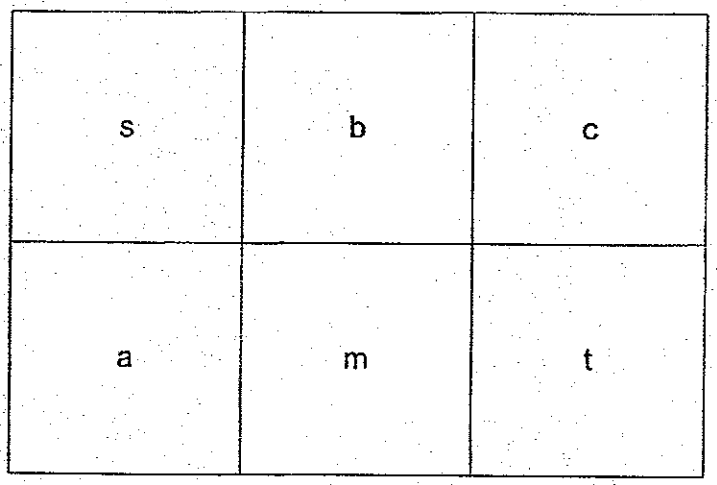


FIG. 8

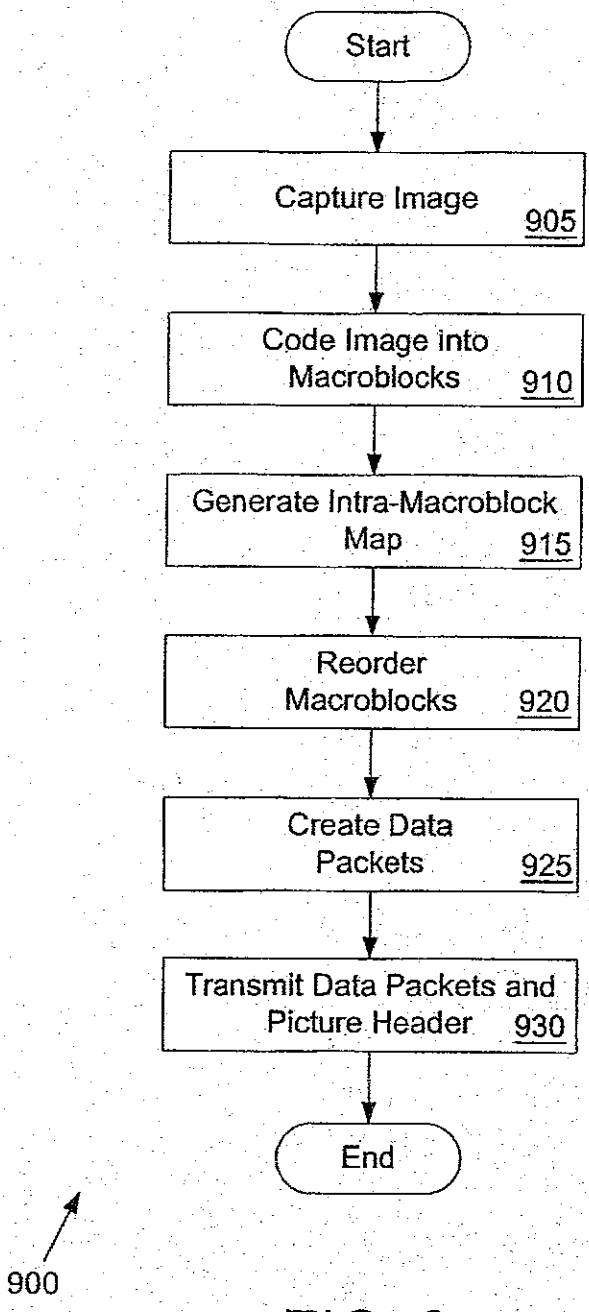

Start
Capture Image 905
Code Image into Macroblocks 910
Generate Intra-Macroblock Map 915
Reorder Macroblocks 920
Create Data Packets 925
Transmit Data Packets and Picture Header 930
End
900

FIG. 9

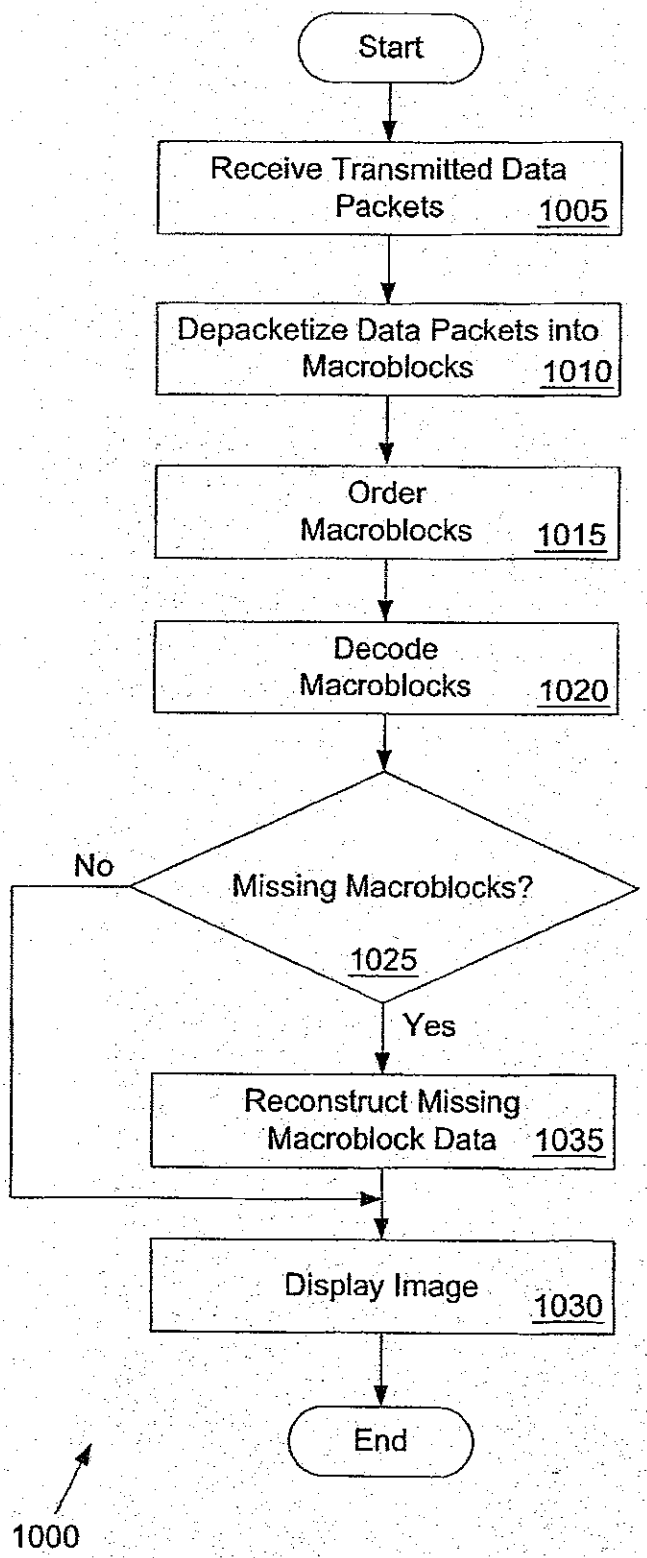

Start
Receive Transmitted Data Packets 1005
Depacketize Data Packets into Macroblocks 1010
Order Macroblocks 1015
Decode Macroblocks 1020
Missing Macroblocks? 1025
No
Yes
Reconstruct Missing Macroblock Data 1035
Display Image 1030
End
1000

FIG. 10