FIG.1

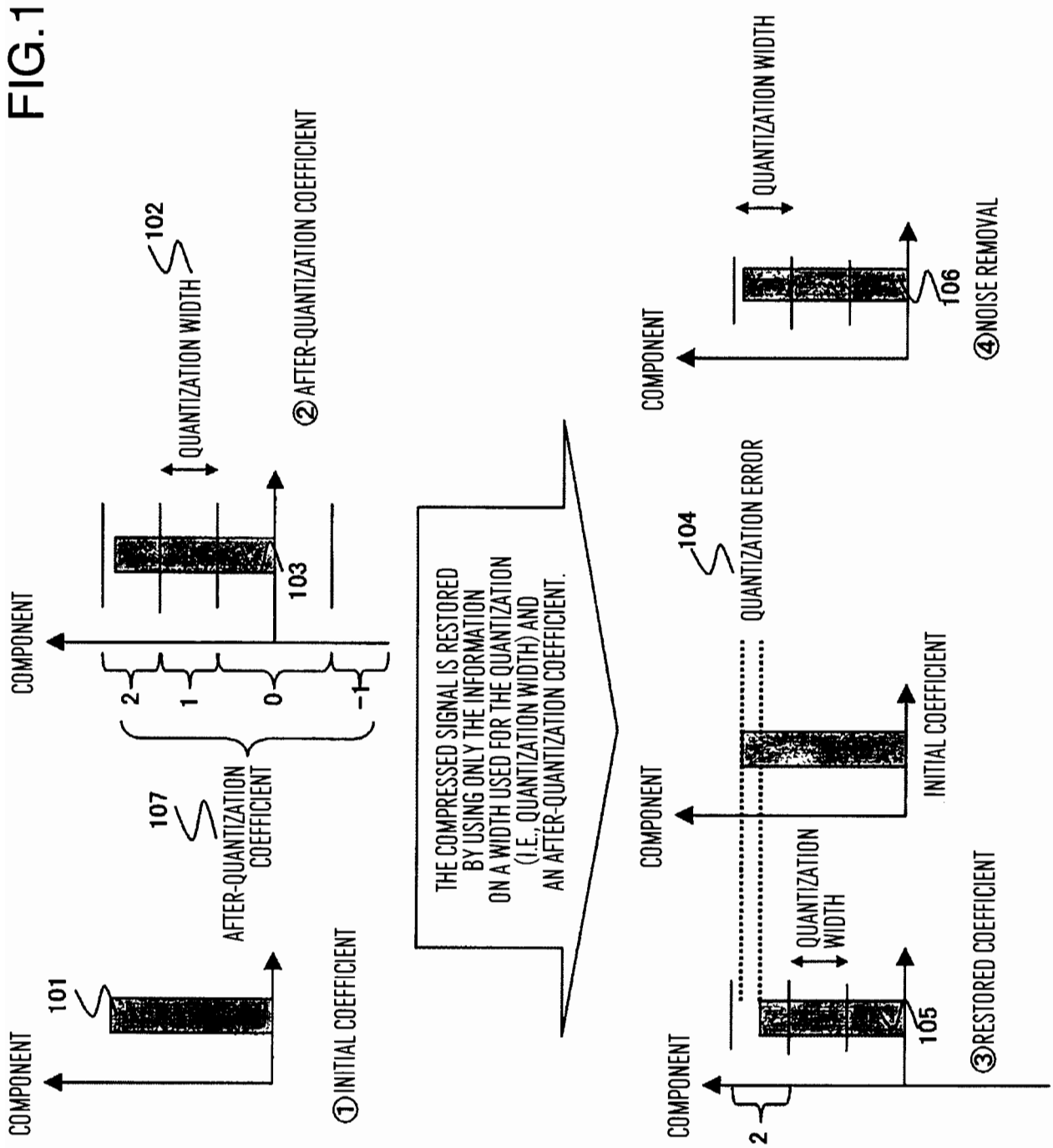

COMPONENT
101
①INITIAL COEFFICIENT
107
AFTER-QUANTIZATION COEFFICIENT
2
1
0
-1
COMPONENT
102
QUANTIZATION WIDTH
103
②AFTER-QUANTIZATION COEFFICIENT
THE COMPRESSED SIGNAL IS RESTORED BY USING ONLY THE INFORMATION ON A WIDTH USED FOR THE QUANTIZATION (I.E., QUANTIZATION WIDTH) AND AN AFTER-QUANTIZATION COEFFICIENT.
COMPONENT
QUANTIZATION WIDTH
105
③RESTORED COEFFICIENT
2
COMPONENT
104
QUANTIZATION ERROR
INITIAL COEFFICIENT
COMPONENT
QUANTIZATION WIDTH
106
④NOISE REMOVAL

FIG.2

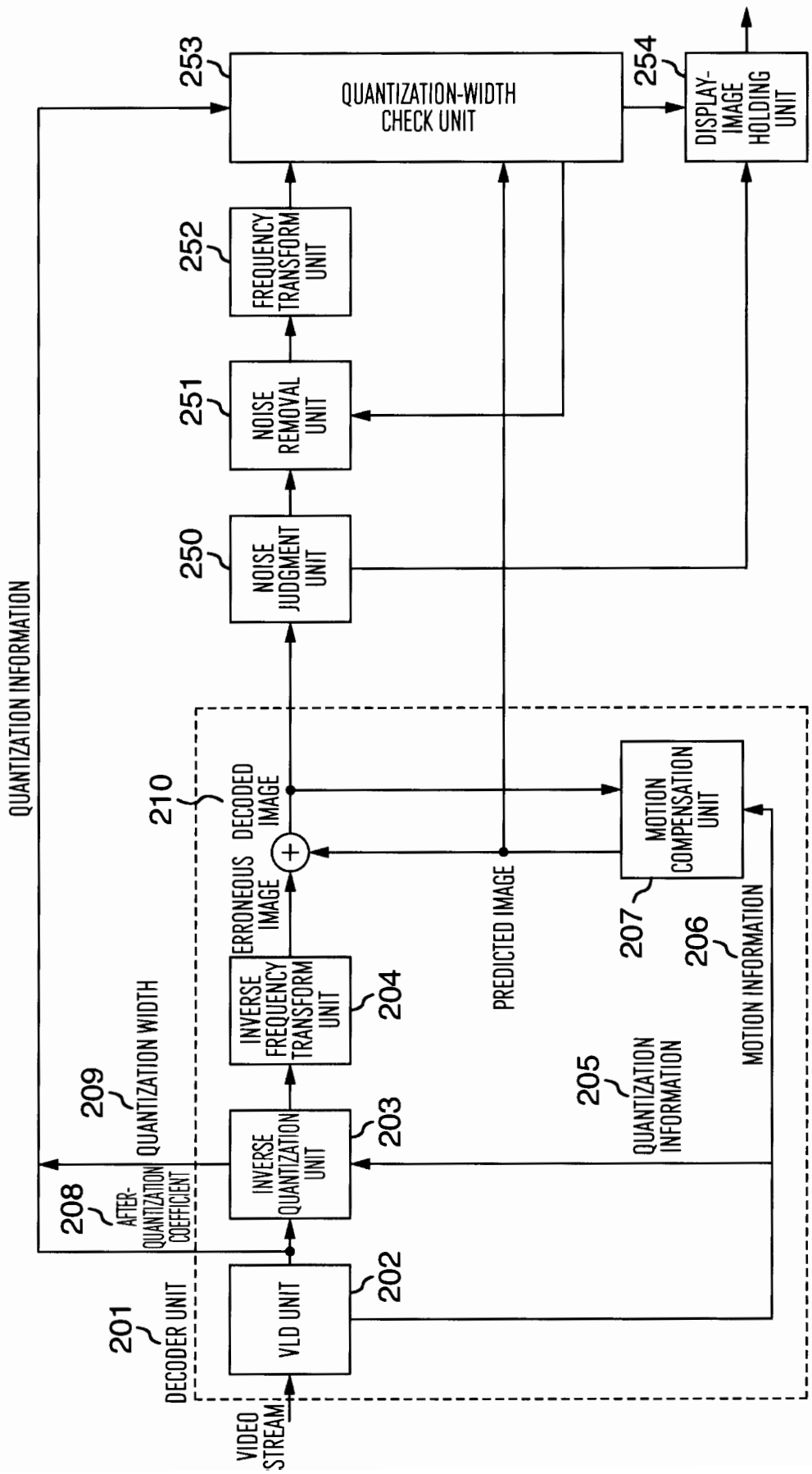

VIDEO STREAM
DECODER UNIT
201
VLD UNIT
202
INVERSE QUANTIZATION UNIT
203
INVERSE FREQUENCY TRANSFORM UNIT
204
205
QUANTIZATION INFORMATION
206
MOTION INFORMATION
207
MOTION COMPENSATION UNIT
208
AFTER-QUANTIZATION COEFFICIENT
209
QUANTIZATION WIDTH
210
ERRONEOUS IMAGE
DECODED IMAGE
PREDICTED IMAGE
QUANTIZATION INFORMATION
250
NOISE JUDGMENT UNIT
251
NOISE REMOVAL UNIT
252
FREQUENCY TRANSFORM UNIT
253
QUANTIZATION-WIDTH CHECK UNIT
254
DISPLAY-IMAGE HOLDING UNIT

FIG.3

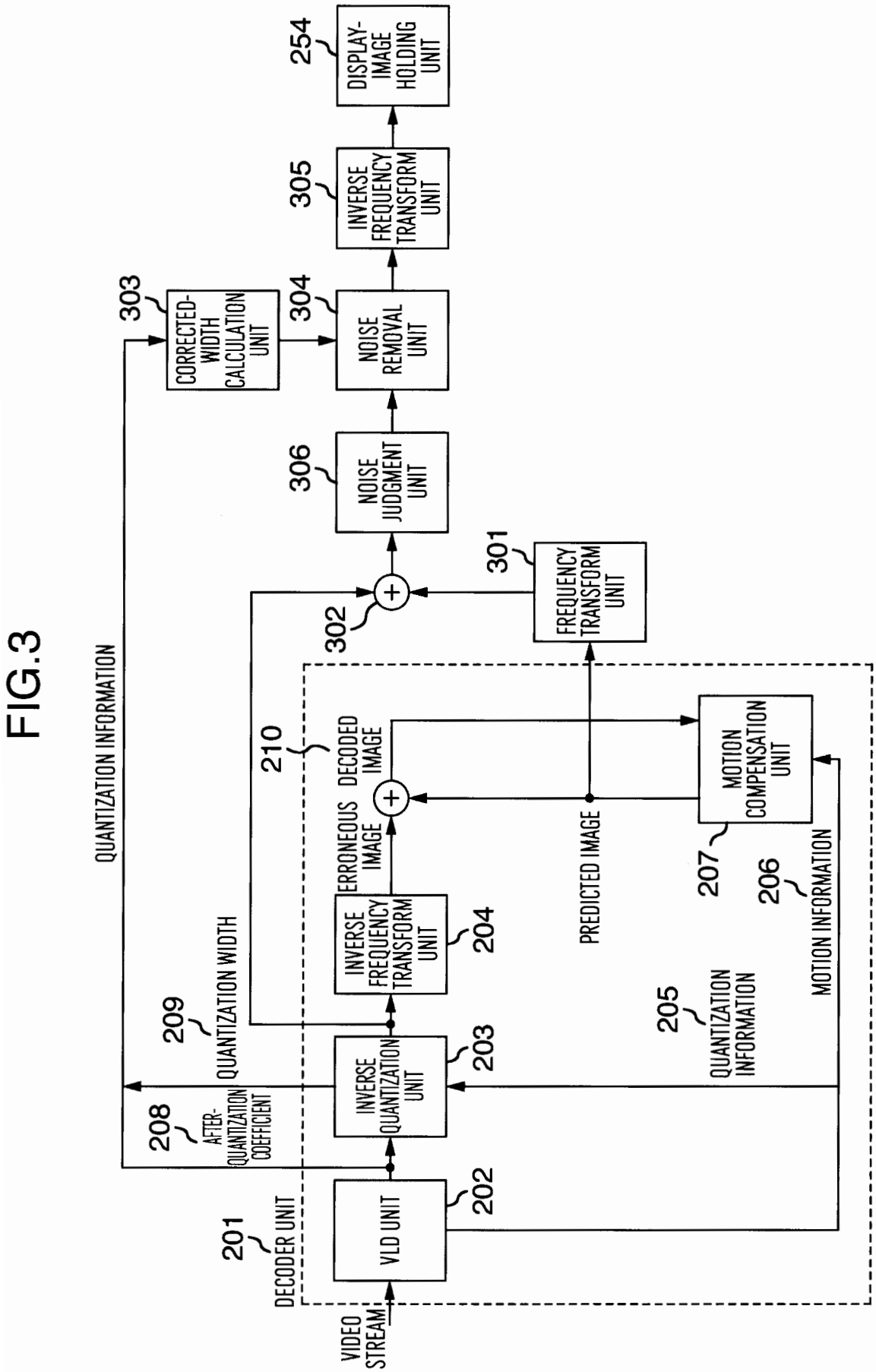

VIDEO STREAM
DECODER UNIT
201
VLD UNIT
202
INVERSE QUANTIZATION UNIT
203
INVERSE FREQUENCY TRANSFORM UNIT
204
205
QUANTIZATION INFORMATION
206
MOTION INFORMATION
207
MOTION COMPENSATION UNIT
208
AFTER-QUANTIZATION COEFFICIENT
209
QUANTIZATION WIDTH
210
ERRONEOUS IMAGE
DECODED IMAGE
PREDICTED IMAGE
301
FREQUENCY TRANSFORM UNIT
302
303
CORRECTED-WIDTH CALCULATION UNIT
304
NOISE REMOVAL UNIT
305
INVERSE FREQUENCY TRANSFORM UNIT
306
NOISE JUDGMENT UNIT
254
DISPLAY-IMAGE HOLDING UNIT
QUANTIZATION INFORMATION

FIG.4

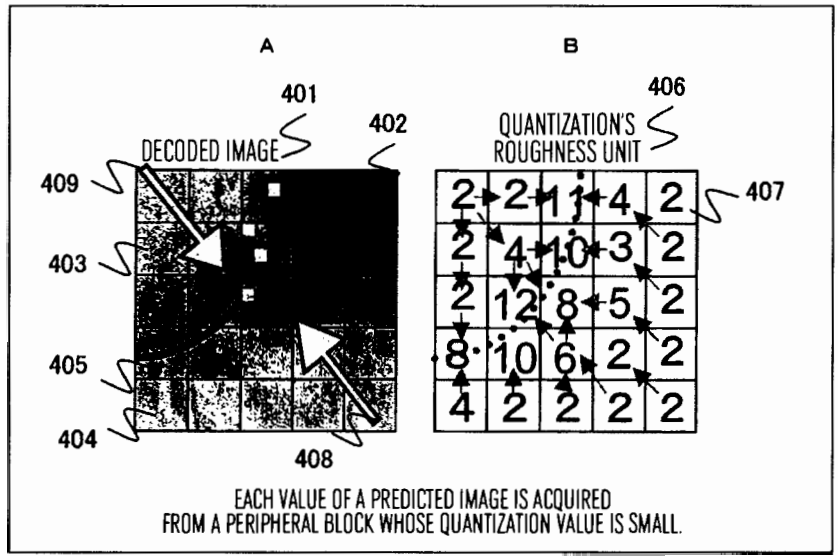

A
B
401
402
406
DECODED IMAGE
QUANTIZATION'S ROUGHNESS UNIT
409
403
405
404
408
407
2 2 1 4 2
2 4 10 3 2
2 12 8 5 2
8 10 6 2 2
4 2 2 2 2
EACH VALUE OF A PREDICTED IMAGE IS ACQUIRED
FROM A PERIPHERAL BLOCK WHOSE QUANTIZATION VALUE IS SMALL.

FIG.5

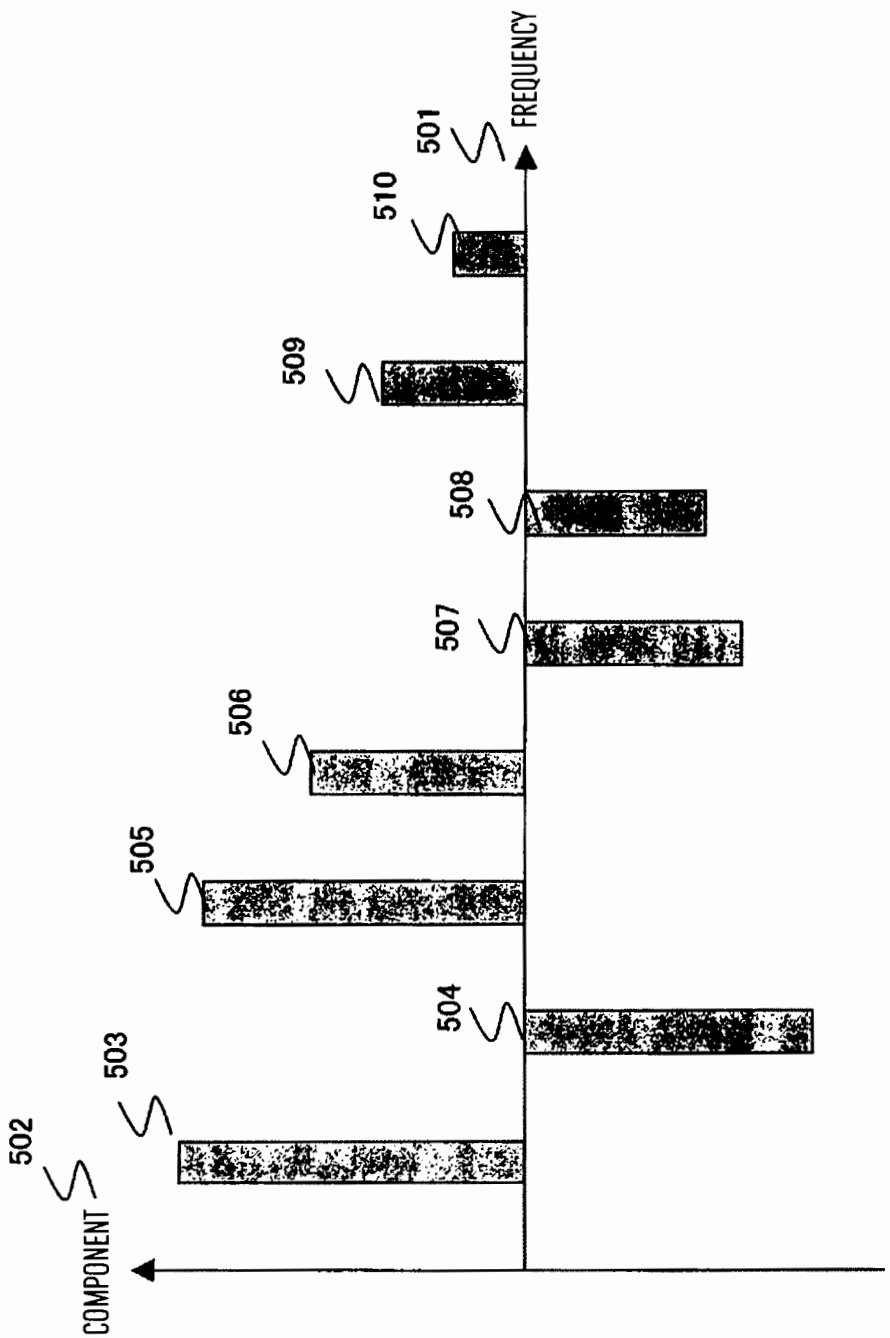


FIG.6

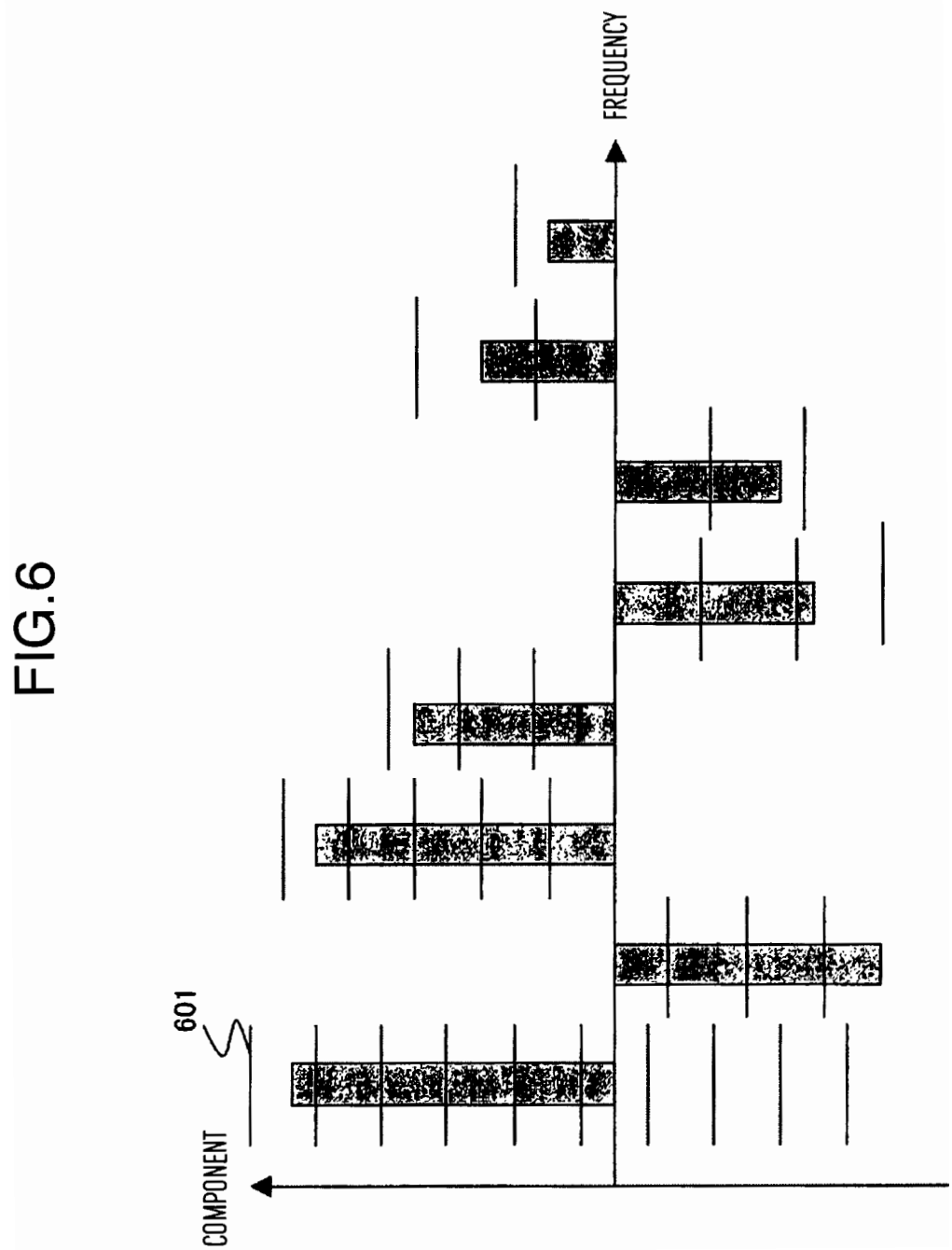


FIG.7

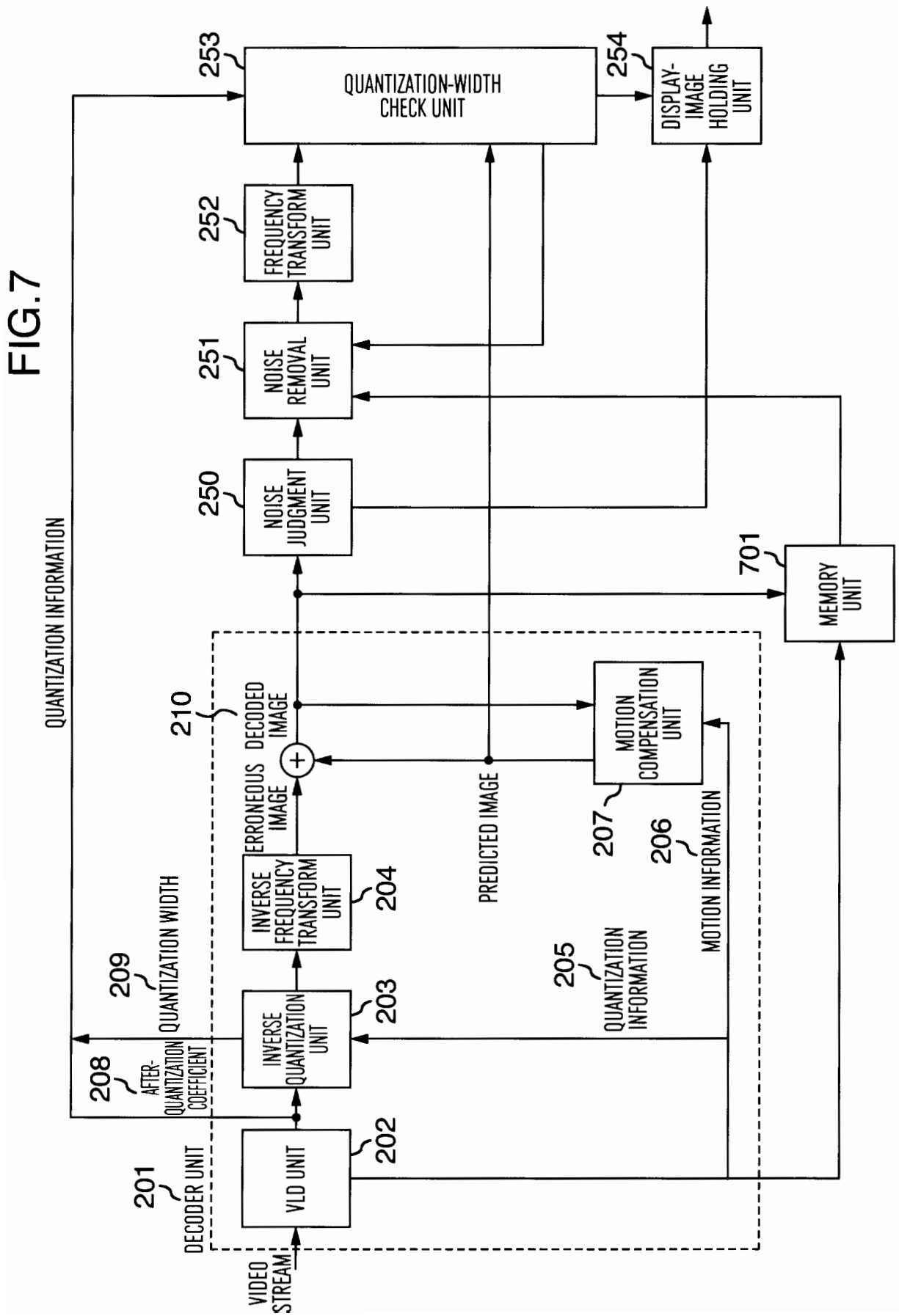

VIDEO STREAM
201
DECODER UNIT
VLD UNIT
202
208
AFTER-QUANTIZATION COEFFICIENT
209
QUANTIZATION WIDTH
INVERSE QUANTIZATION UNIT
203
INVERSE FREQUENCY TRANSFORM UNIT
204
ERRONEOUS IMAGE
DECODED IMAGE
210
QUANTIZATION INFORMATION
205
MOTION INFORMATION
206
MOTION COMPENSATION UNIT
207
PREDICTED IMAGE
NOISE JUDGMENT UNIT
250
NOISE REMOVAL UNIT
251
FREQUENCY TRANSFORM UNIT
252
QUANTIZATION-WIDTH CHECK UNIT
253
DISPLAY-IMAGE HOLDING UNIT
254
MEMORY UNIT
701

FIG.8

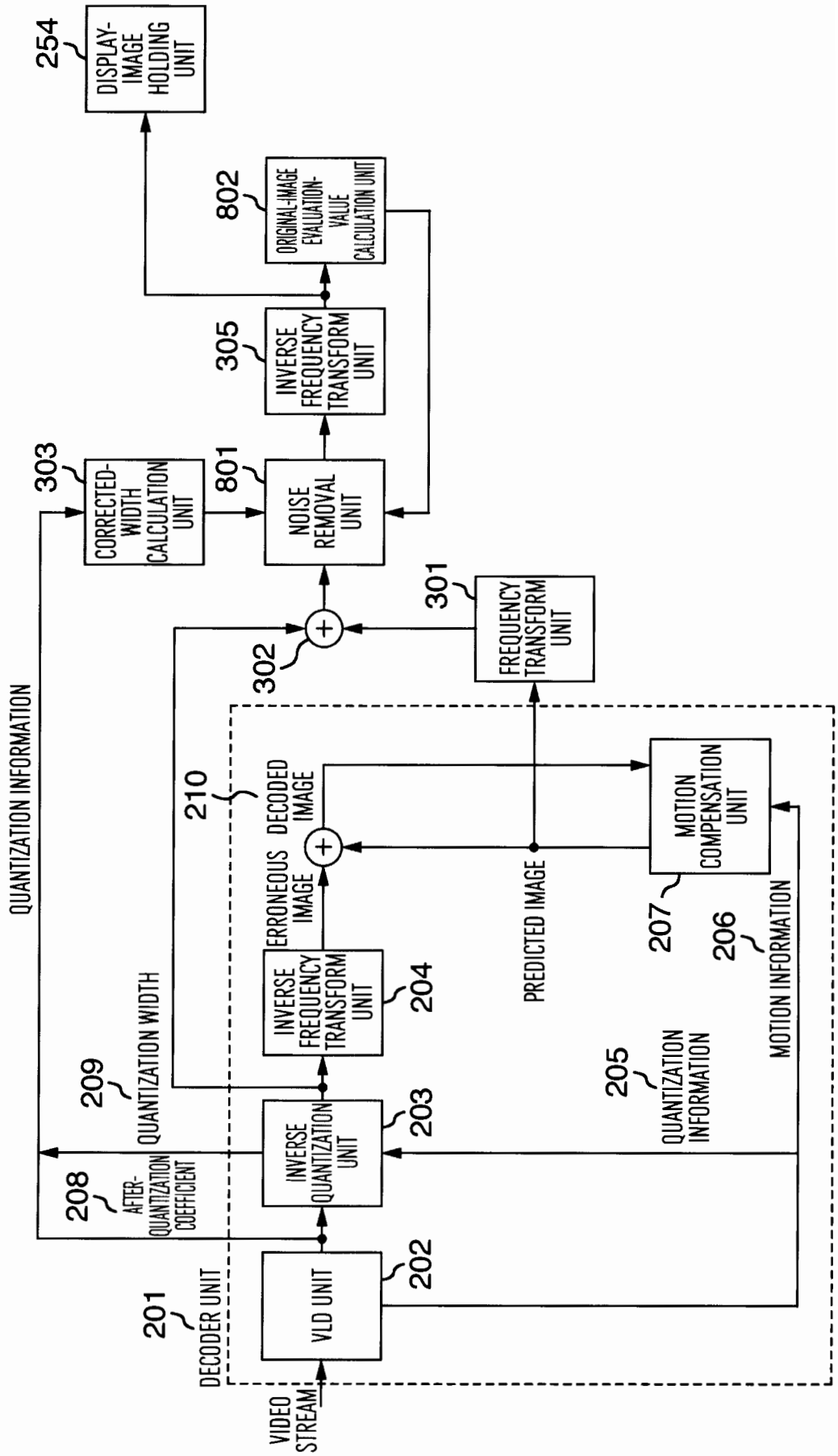

254
DISPLAY-IMAGE HOLDING UNIT
802
ORIGINAL-IMAGE EVALUATION-VALUE CALCULATION UNIT
305
INVERSE FREQUENCY TRANSFORM UNIT
303
CORRECTED-WIDTH CALCULATION UNIT
801
NOISE REMOVAL UNIT
301
FREQUENCY TRANSFORM UNIT
302
QUANTIZATION INFORMATION
210
DECODED IMAGE
ERRONEOUS IMAGE
INVERSE FREQUENCY TRANSFORM UNIT
204
PREDICTED IMAGE
MOTION COMPENSATION UNIT
207
206
MOTION INFORMATION
209
QUANTIZATION WIDTH
208
AFTER-QUANTIZATION COEFFICIENT
INVERSE QUANTIZATION UNIT
203
205
QUANTIZATION INFORMATION
201
DECODER UNIT
VLD UNIT
202
VIDEO STREAM

FIG.9

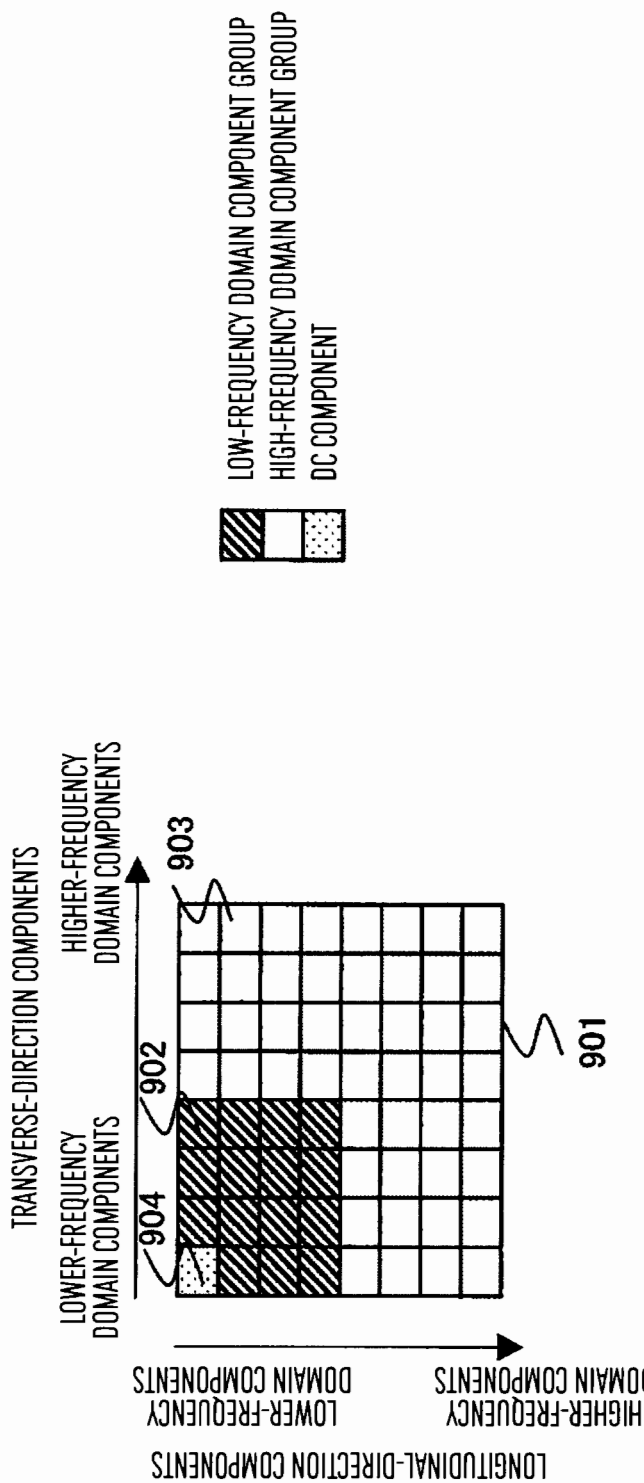

LOW-FREQUENCY DOMAIN COMPONENT GROUP
HIGH-FREQUENCY DOMAIN COMPONENT GROUP
DC COMPONENT
TRANSVERSE-DIRECTION COMPONENTS
HIGHER-FREQUENCY DOMAIN COMPONENTS
LOWER-FREQUENCY DOMAIN COMPONENTS
903
902
904
901
LONGITUDINAL-DIRECTION COMPONENTS
LOWER-FREQUENCY DOMAIN COMPONENTS
HIGHER-FREQUENCY DOMAIN COMPONENTS
8-PIXEL×8-PIXEL FREQUENCY TRANSFORM COEFFICIENTS

FIG.10

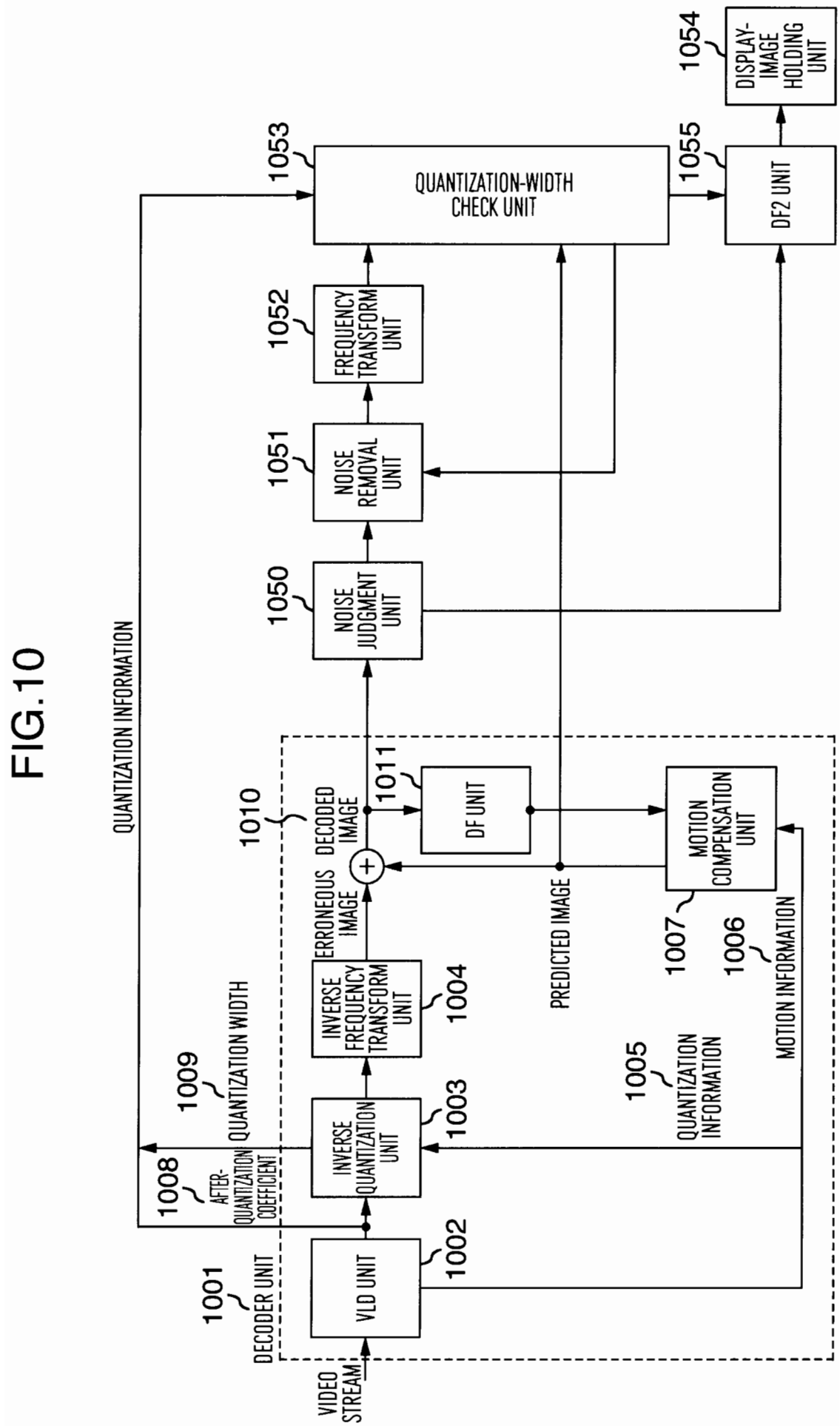
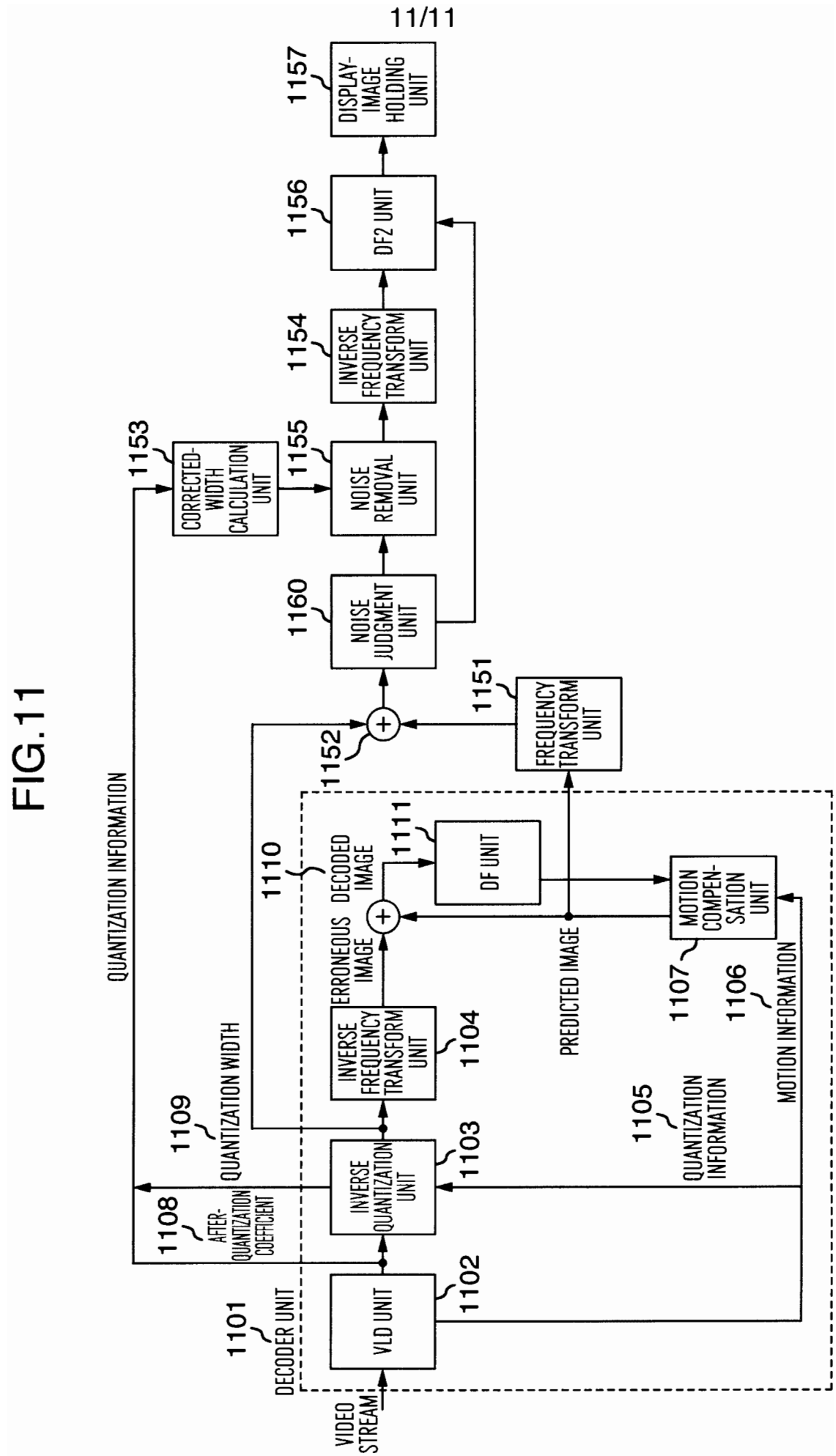

VIDEO STREAM
DECODER UNIT
1001
VLD UNIT
1002
INVERSE QUANTIZATION UNIT
1003
INVERSE FREQUENCY TRANSFORM UNIT
1004
1005
QUANTIZATION INFORMATION
1006
MOTION INFORMATION
1007
MOTION COMPENSATION UNIT
1008
AFTER-QUANTIZATION COEFFICIENT
1009
QUANTIZATION WIDTH
QUANTIZATION INFORMATION
1010
DECODED IMAGE
ERRONEOUS IMAGE
1011
DF UNIT
PREDICTED IMAGE
1050
NOISE JUDGMENT UNIT
1051
NOISE REMOVAL UNIT
1052
FREQUENCY TRANSFORM UNIT
1053
QUANTIZATION-WIDTH CHECK UNIT
1054
DISPLAY-IMAGE HOLDING UNIT
1055
DF2 UNIT

FIG.11


VIDEO STREAM
1101
DECODER UNIT
VLD UNIT
1102
INVERSE QUANTIZATION UNIT
1103
INVERSE FREQUENCY TRANSFORM UNIT
1104
MOTION COMPEN-SATION UNIT
1105
QUANTIZATION INFORMATION
1106
MOTION INFORMATION
1107
PREDICTED IMAGE
1108
AFTER-QUANTIZATION COEFFICIENT
1109
QUANTIZATION WIDTH
QUANTIZATION INFORMATION
1110
DECODED IMAGE
ERRONEOUS IMAGE
1111
DF UNIT
1151
FREQUENCY TRANSFORM UNIT
1152
1153
CORRECTED-WIDTH CALCULATION UNIT
1154
INVERSE FREQUENCY TRANSFORM UNIT
1155
NOISE REMOVAL UNIT
1156
DF2 UNIT
1157
DISPLAY-IMAGE HOLDING UNIT
1160
NOISE JUDGMENT UNIT