

Fig. 1b

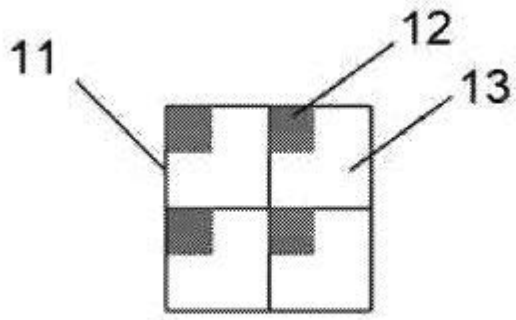


Fig. 2

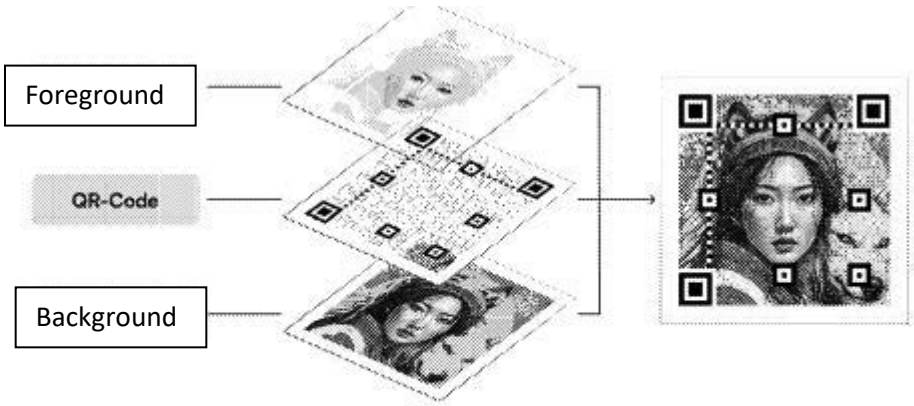


Fig. 3b

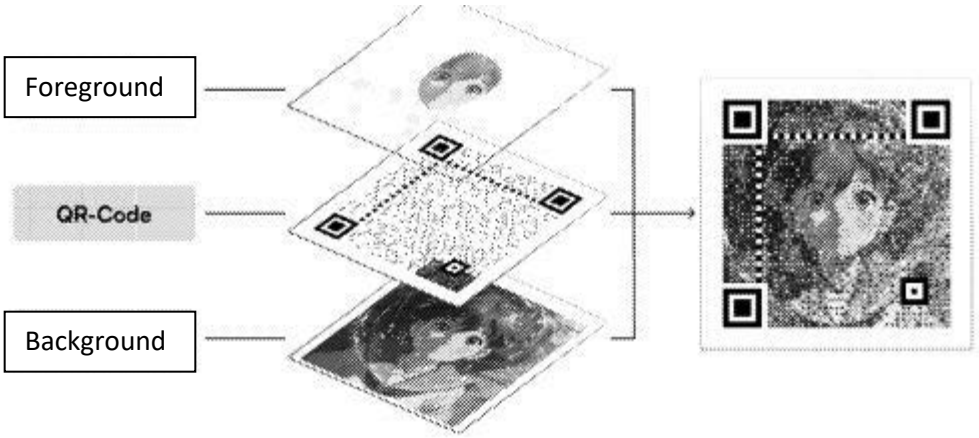


Fig. 3d



Fig. 4k



Fig. 4l



Fig. 4m



Fig. 4n



Fig. 4o



Fig. 4p



Fig. 4q



Fig. 4r



Fig. 4s



RGB



CMYK

Fig.4t

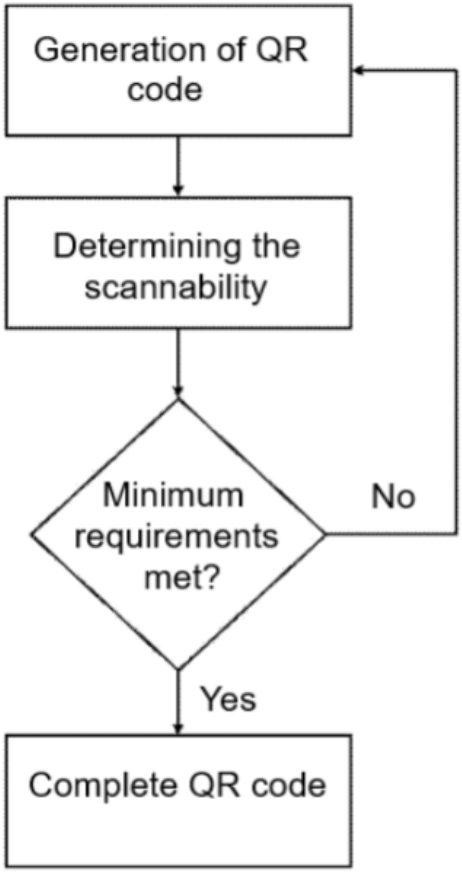

Generation of QR code
Determining the scannability
Minimum requirements met?
No
Yes
Complete QR code

Fig. 5

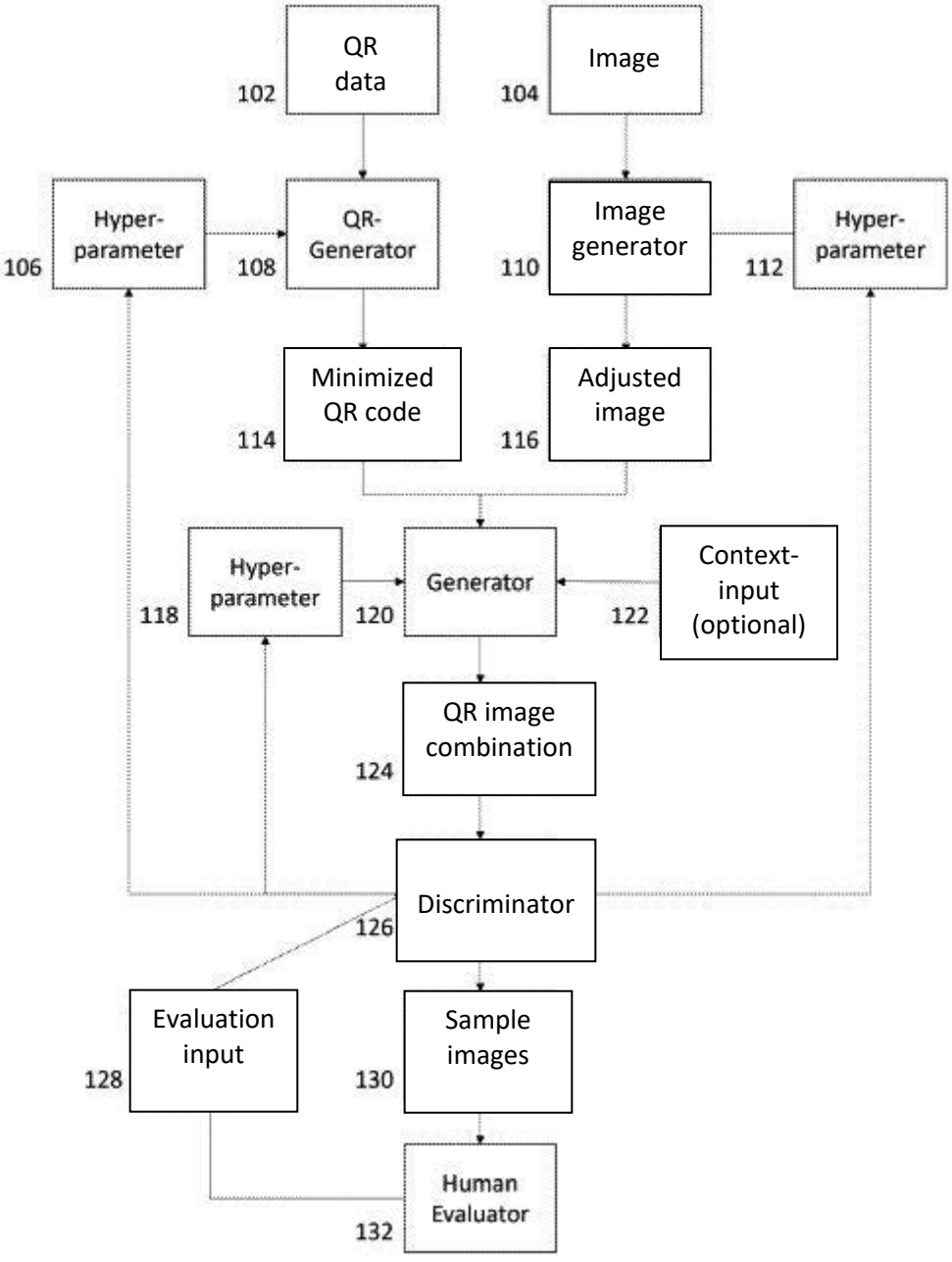

QR data
102
Image
104
Hyper-parameter
106
QR-Generator
108
Image generator
110
Hyper-parameter
112
Minimized QR code
114
Adjusted image
116
Hyper-parameter
118
Generator
120
Context-input (optional)
122
QR image combination
124
Discriminator
126
Evaluation input
128
Sample images
130
Human Evaluator
132

Fig. 6

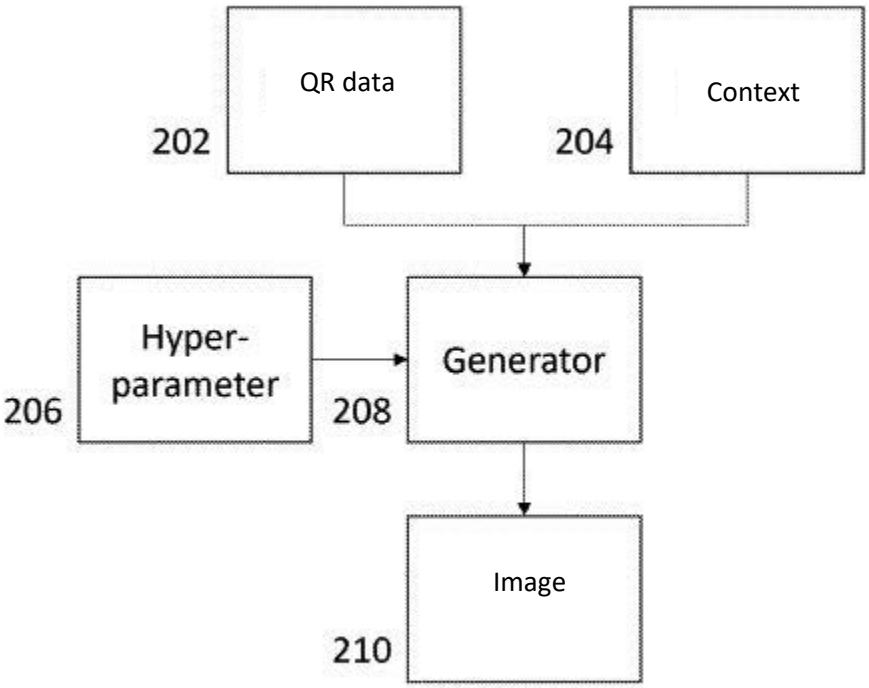

QR data
202
Context
204
Hyper-
parameter
206
208
Generator
Image
210

Fig. 7

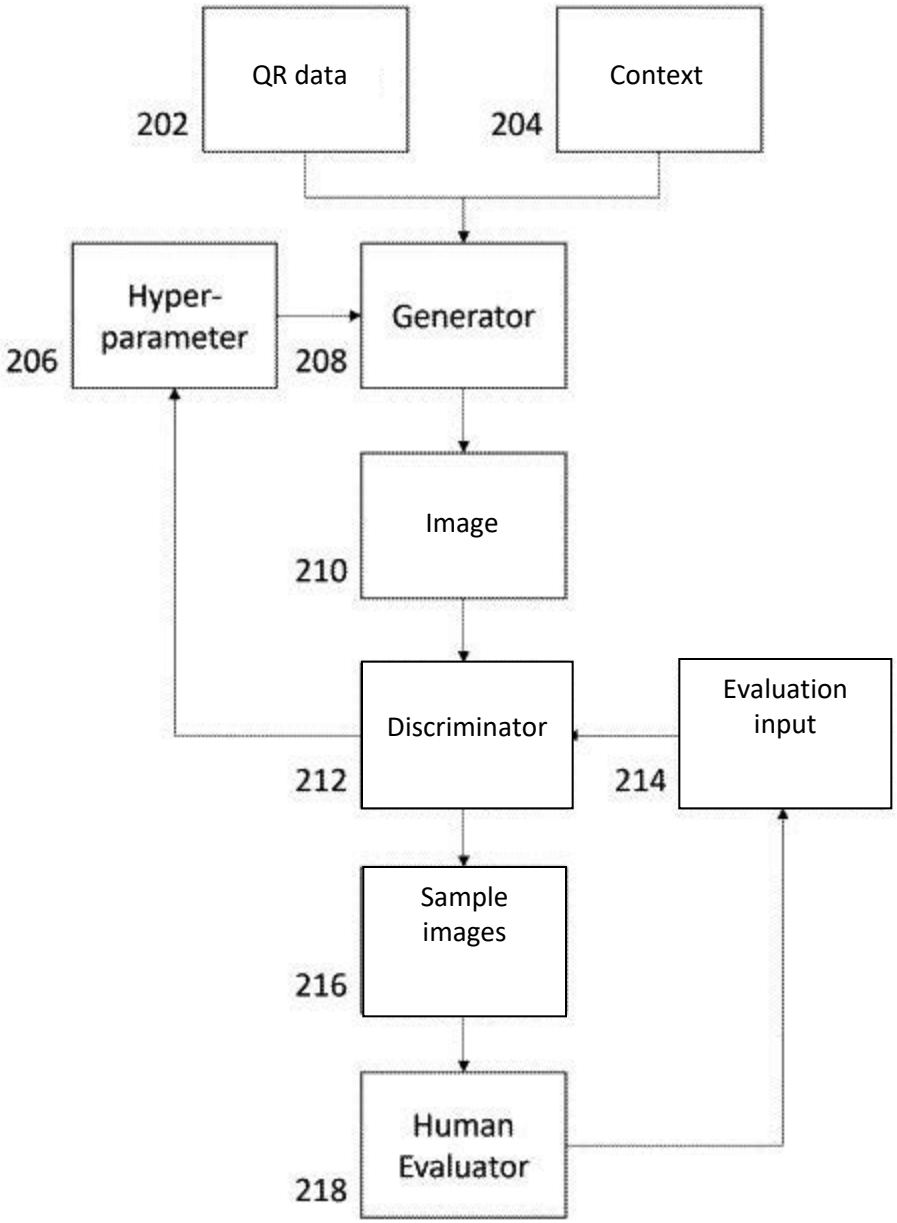

QR data
202
Context
204
Hyper-
parameter
206
Generator
208
Image
210
Discriminator
212
Evaluation
input
214
Sample
images
216
Human
Evaluator
218

Fig. 8



Fig. 9c

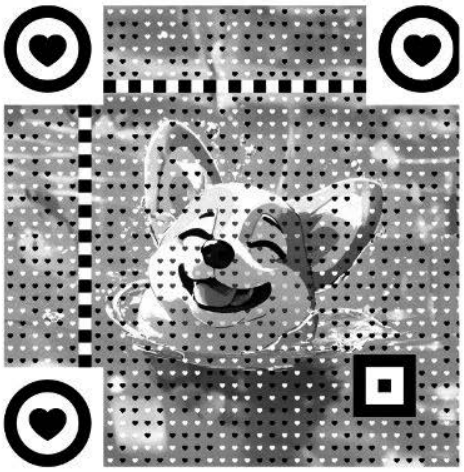


Fig. 9d