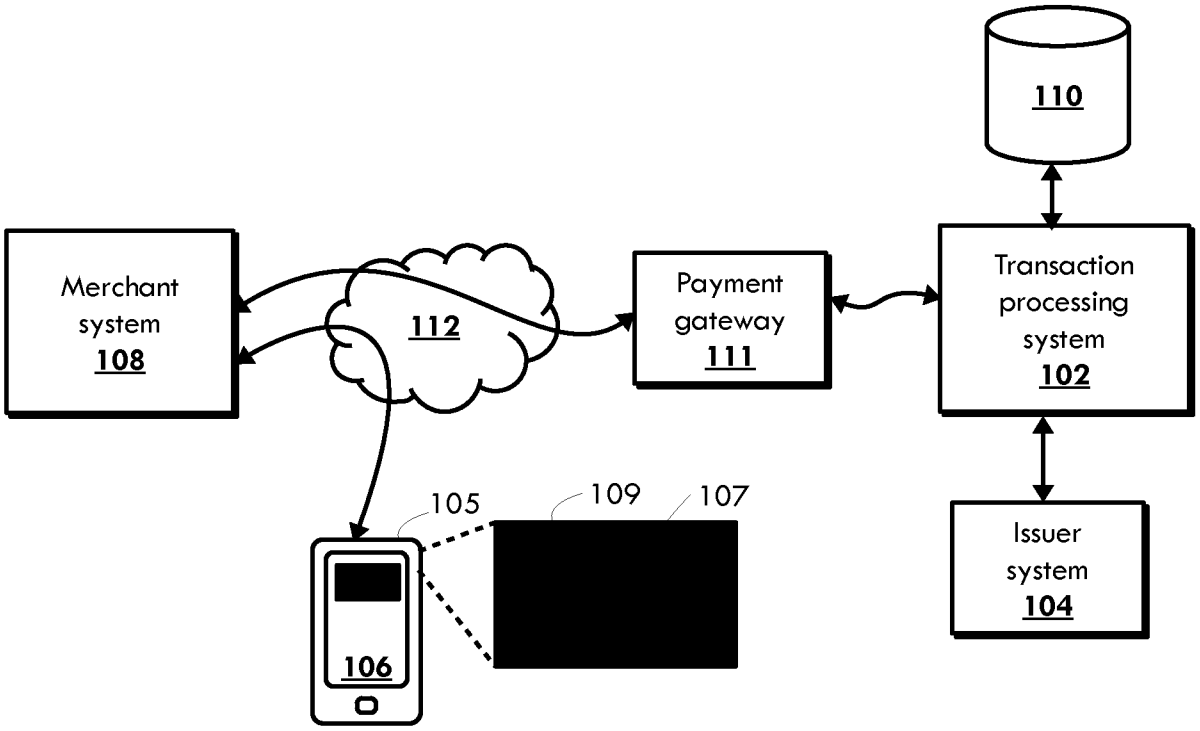

110
Merchant system 108
112
Payment gateway 111
Transaction processing system 102
105
109
107
106
Issuer system 104
1000

FIG. 1

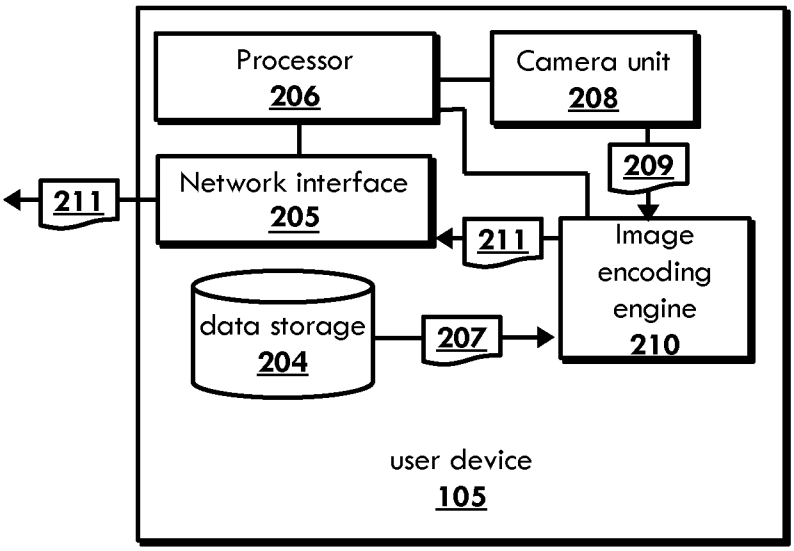

Processor
206
Camera unit
208
209
Network interface
205
211
211
Image
encoding
engine
210
data storage
204
207
user device
105

FIG. 2

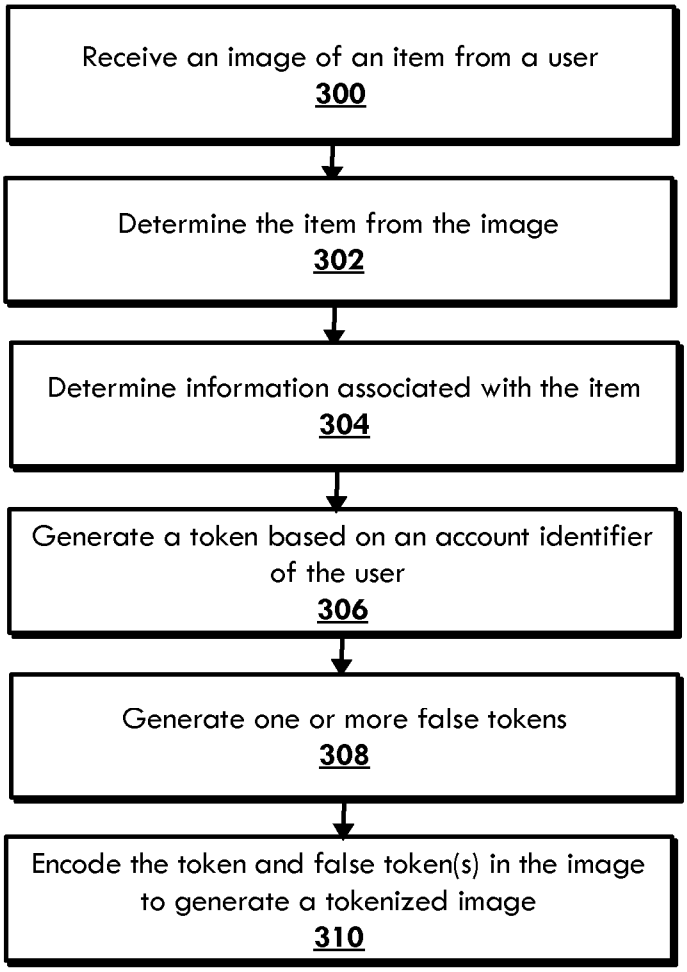

Receive an image of an item from a user
300
Determine the item from the image
302
Determine information associated with the item
304
Generate a token based on an account identifier of the user
306
Generate one or more false tokens
308
Encode the token and false token(s) in the image to generate a tokenized image
310

FIG. 3

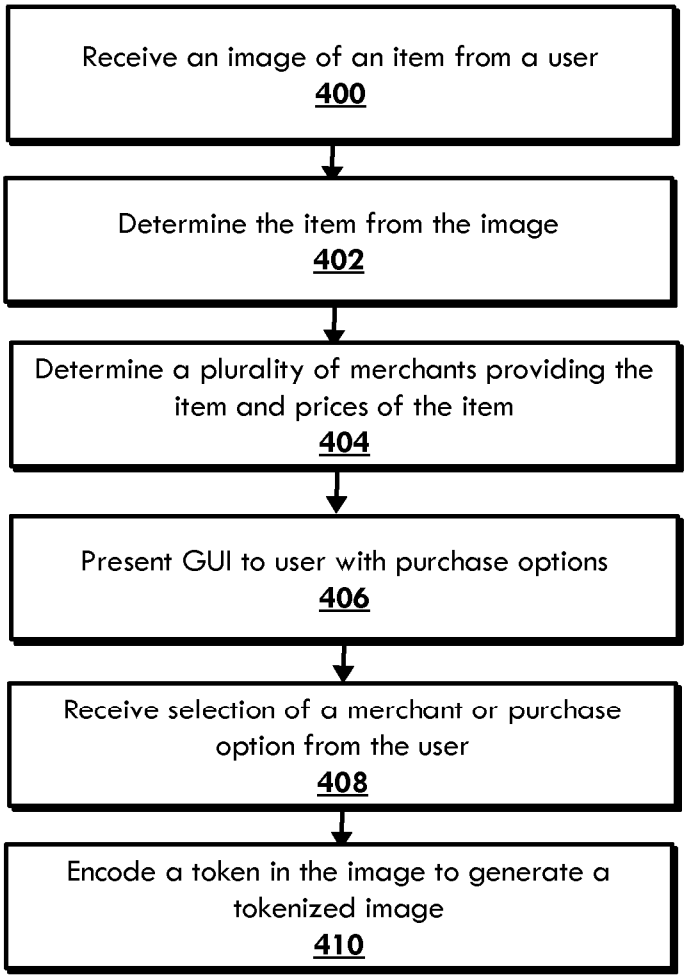

Receive an image of an item from a user
400
Determine the item from the image
402
Determine a plurality of merchants providing the item and prices of the item
404
Present GUI to user with purchase options
406
Receive selection of a merchant or purchase option from the user
408
Encode a token in the image to generate a tokenized image
410

FIG. 4