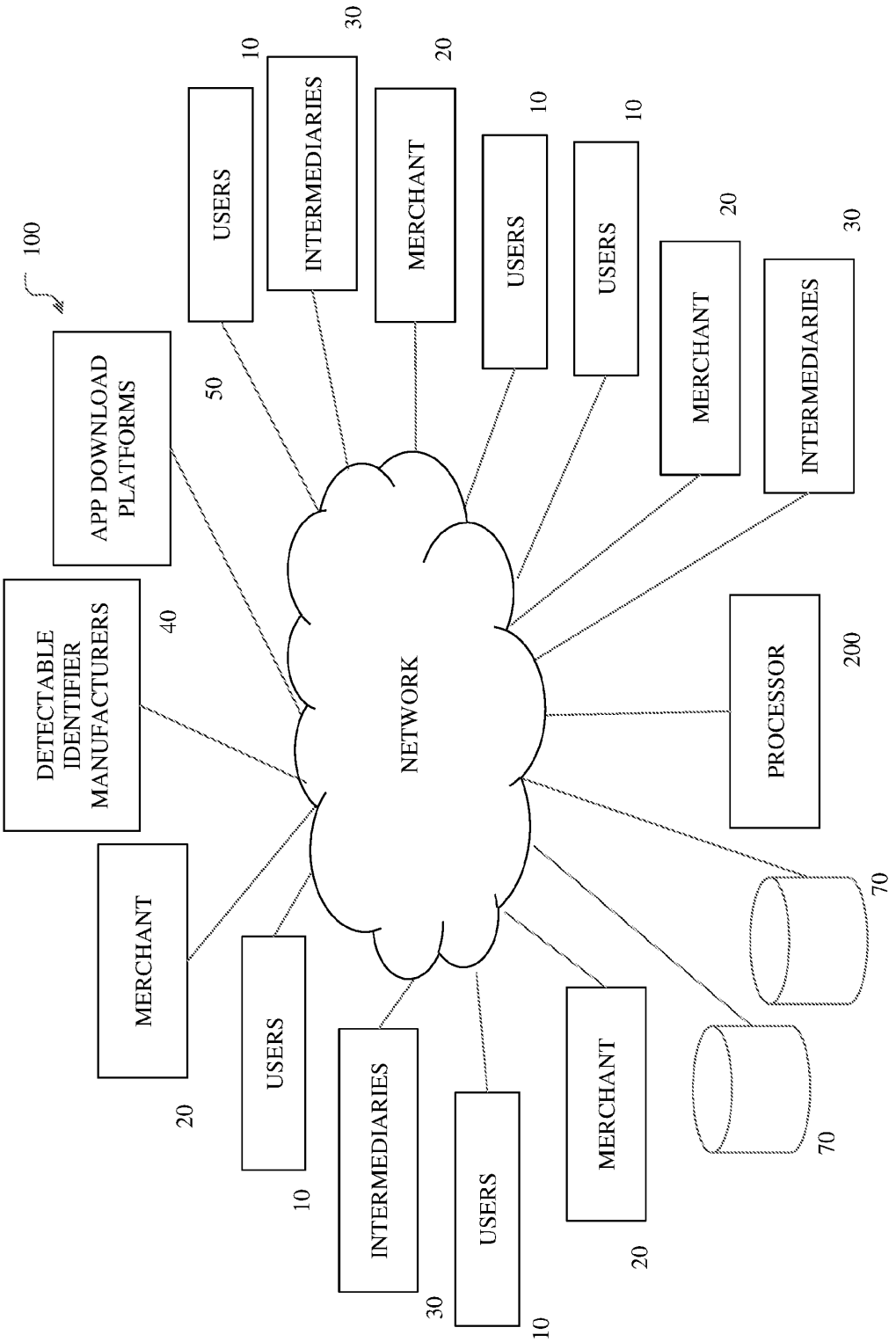
100
APP DOWNLOAD PLATFORMS
50
DETECTABLE IDENTIFIER MANUFACTURERS
40
NETWORK
USERS
10
INTERMEDIARIES
30
MERCHANT
20
USERS
10
USERS
10
MERCHANT
20
INTERMEDIARIES
30
PROCESSOR
200
70
70
MERCHANT
20
USERS
10
INTERMEDIARIES
30
USERS
10
MERCHANT
20
USERS
10

FIGURE 1

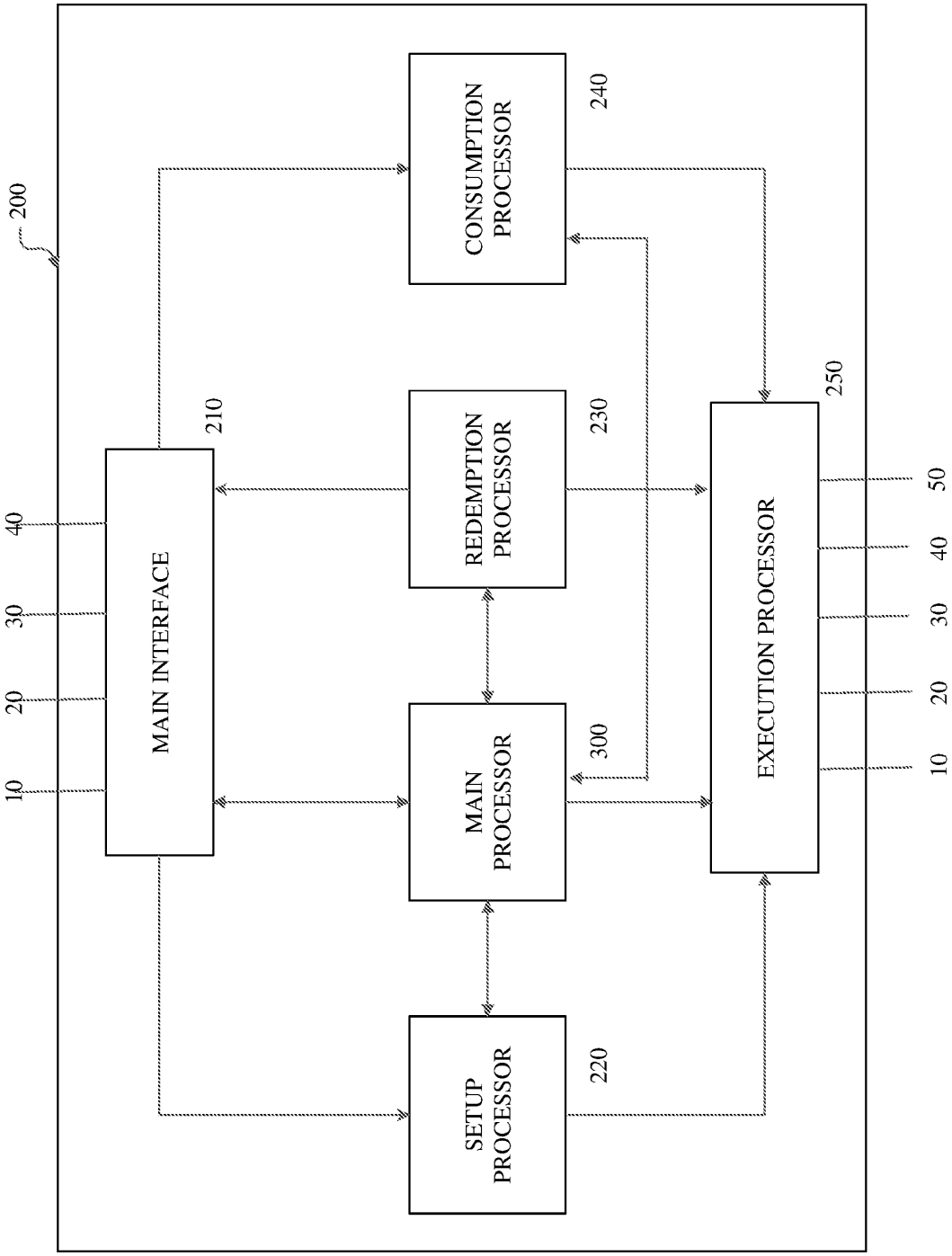
200
CONSUMPTION PROCESSOR
240
REDEMPTION PROCESSOR
230
MAIN INTERFACE
210
MAIN PROCESSOR
300
SETUP PROCESSOR
220
EXECUTION PROCESSOR
250
10
20
30
40
50

FIGURE 2

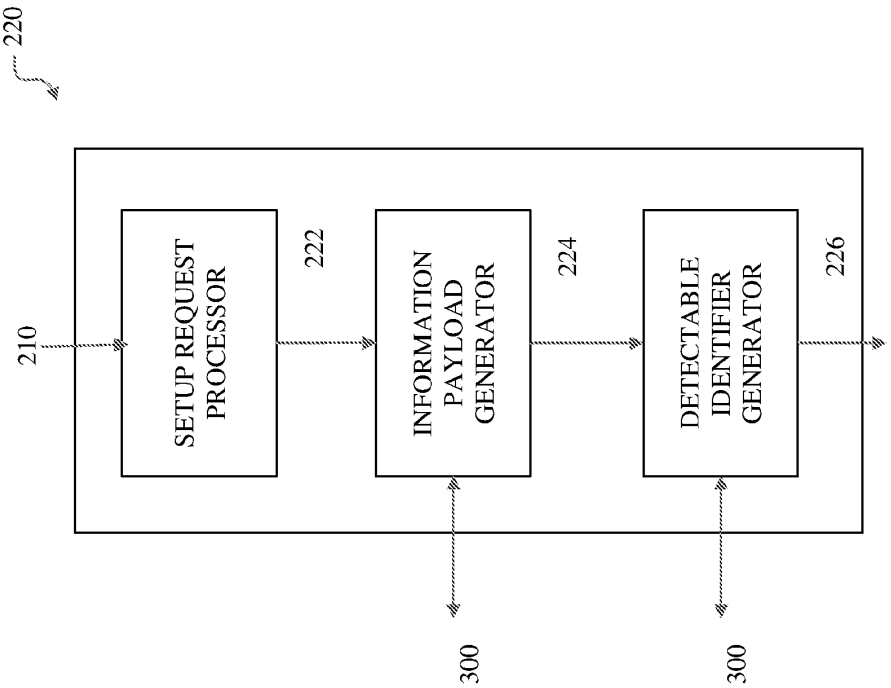
220
210
SETUP REQUEST PROCESSOR
222
INFORMATION PAYLOAD GENERATOR
224
DETECTABLE IDENTIFIER GENERATOR
226
250
300
300

FIGURE 3

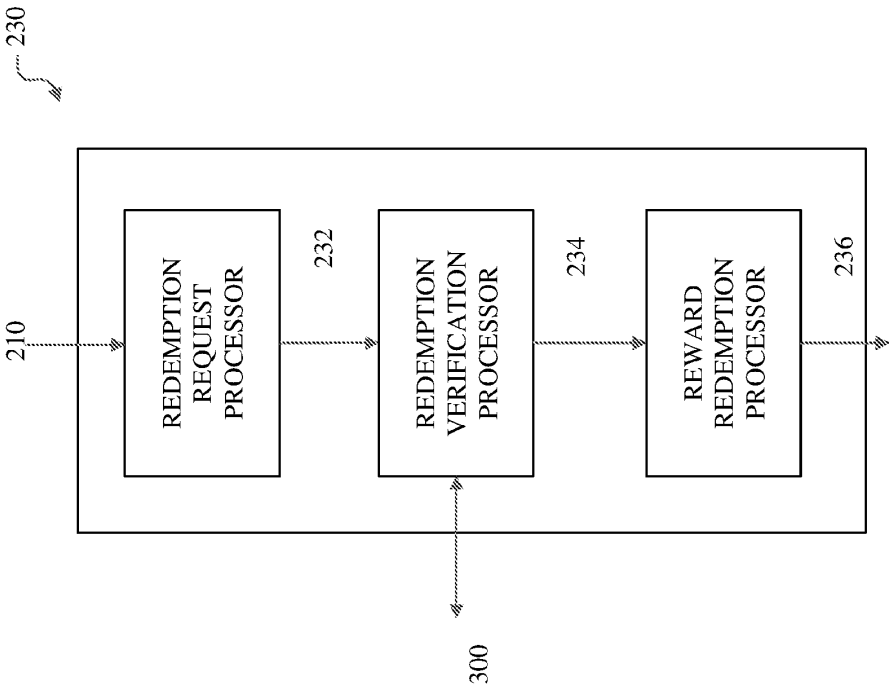
230
210
REDEMPTION REQUEST PROCESSOR
232
REDEMPTION VERIFICATION PROCESSOR
234
REWARD REDEMPTION PROCESSOR
236
250
300

FIGURE 4

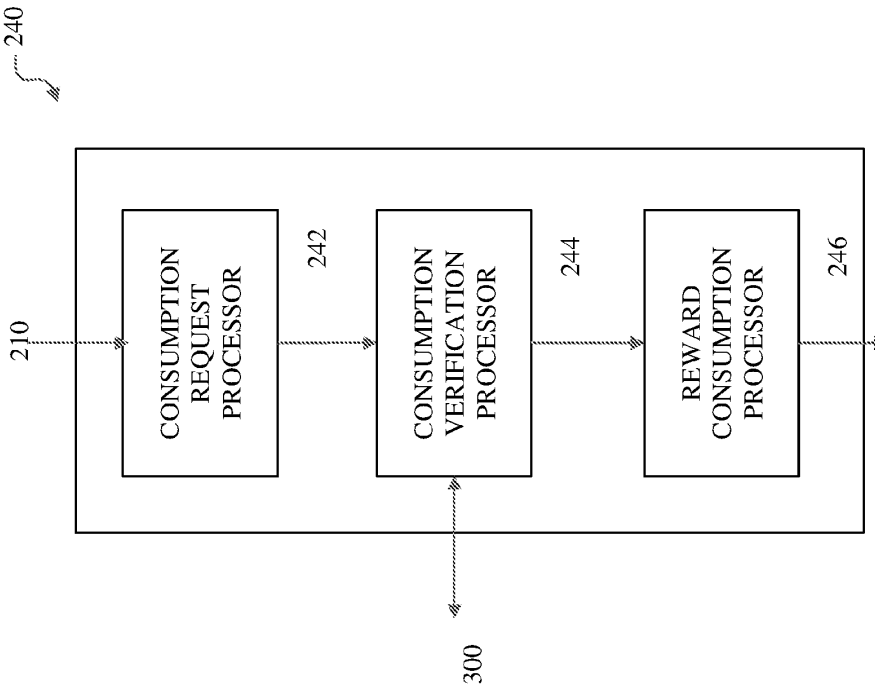
240
210
CONSUMPTION REQUEST PROCESSOR
242
CONSUMPTION VERIFICATION PROCESSOR
244
REWARD CONSUMPTION PROCESSOR
246
250
300

FIGURE 5

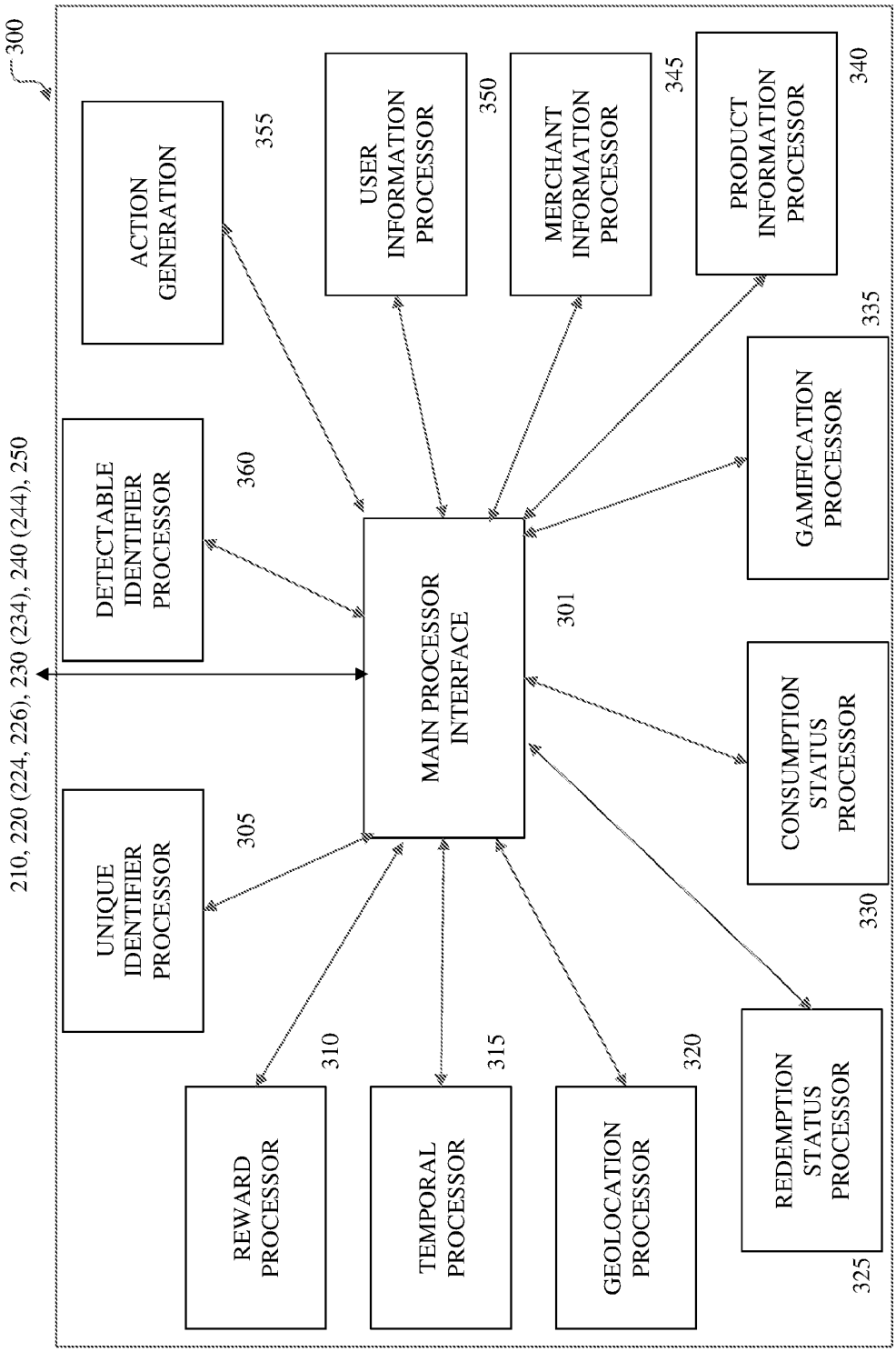
300
210, 220 (224, 226), 230 (234), 240 (244), 250
ACTION GENERATION
355
USER INFORMATION PROCESSOR
350
MERCHANT INFORMATION PROCESSOR
345
PRODUCT INFORMATION PROCESSOR
340
DETECTABLE IDENTIFIER PROCESSOR
360
GAMIFICATION PROCESSOR
335
MAIN PROCESSOR INTERFACE
301
UNIQUE IDENTIFIER PROCESSOR
305
CONSUMPTION STATUS PROCESSOR
330
REWARD PROCESSOR
310
TEMPORAL PROCESSOR
315
GEOLOCATION PROCESSOR
320
REDEMPTION STATUS PROCESSOR
325

FIGURE 6

Figure 7

Figure 8

900
Responsive to receiving the first consumption request from a first user device of a first user, performing a consumption verification process 902
Obtaining a first user information set for the first user 904
Obtaining the first information payload based on the first unique identifier payload in the first consumption request 906
Identifying a first consumption status for the first information payload 908
Determine if the first consumption status for the first information payload is an unconsumed status or consumed status 910
Responsive to a determination that the first consumption status for the first information payload is the unconsumed status: removing the first redemption reward from the first user based on the first user information set 912
Responsive to a determination that the first consumption status for the first information payload is the unconsumed status: sending a notification to the merchant and/or intermediary that the first user has been authorized to use the first redemption reward 914
Responsive to a determination that the first consumption status for the first information payload is the unconsumed status: setting the first consumption status for the first information payload to be the consumed status 916
Responsive to a determination that the first consumption status for the first information payload is the consumed status: sending, to the first user, a notification that the first consumption reward has already been consumed 918

Figure 9