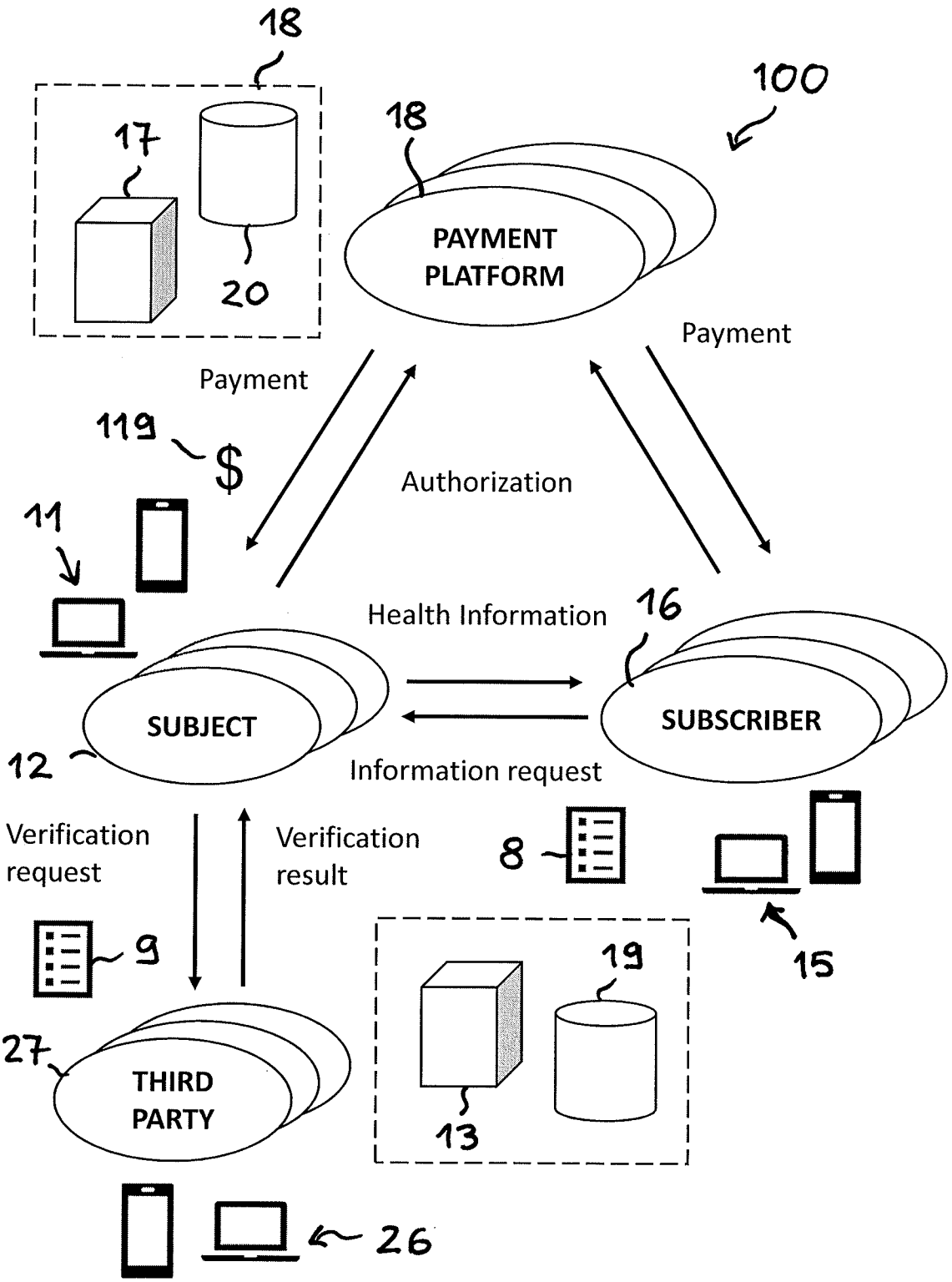
18
17
20
18
100
PAYMENT PLATFORM
Payment
Payment
119
$
Authorization
11
Health Information
16
SUBJECT
SUBSCRIBER
12
Information request
Verification request
Verification result
8
9
19
15
27
THIRD PARTY
13
26

Fig. 1

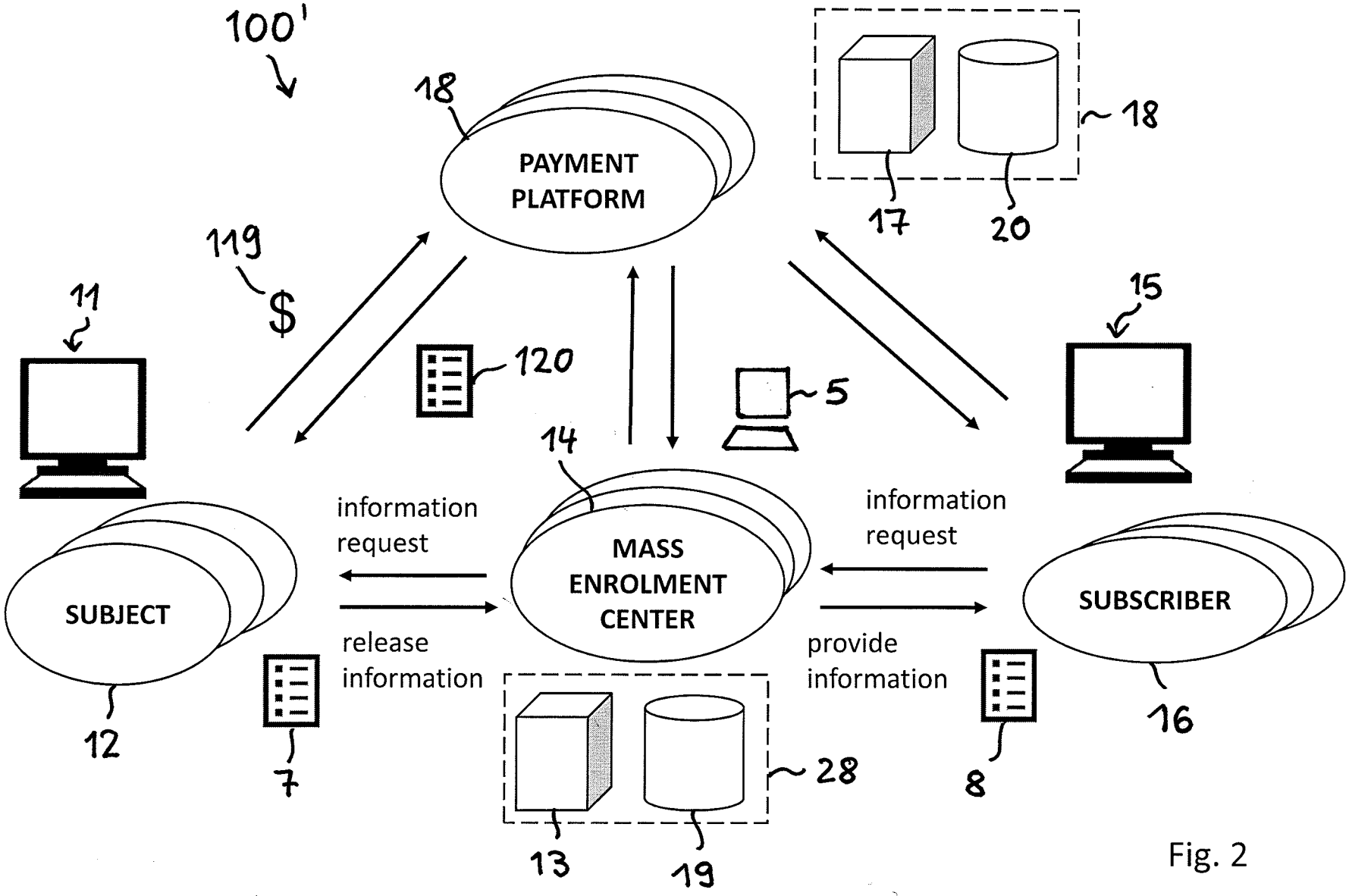
100'
18
PAYMENT PLATFORM
18
17
20
119
$
11
120
5
15
14
information request
release information
MASS ENROLMENT CENTER
information request
provide information
SUBJECT
SUBSCRIBER
12
7
28
8
16
13
19

Fig. 2

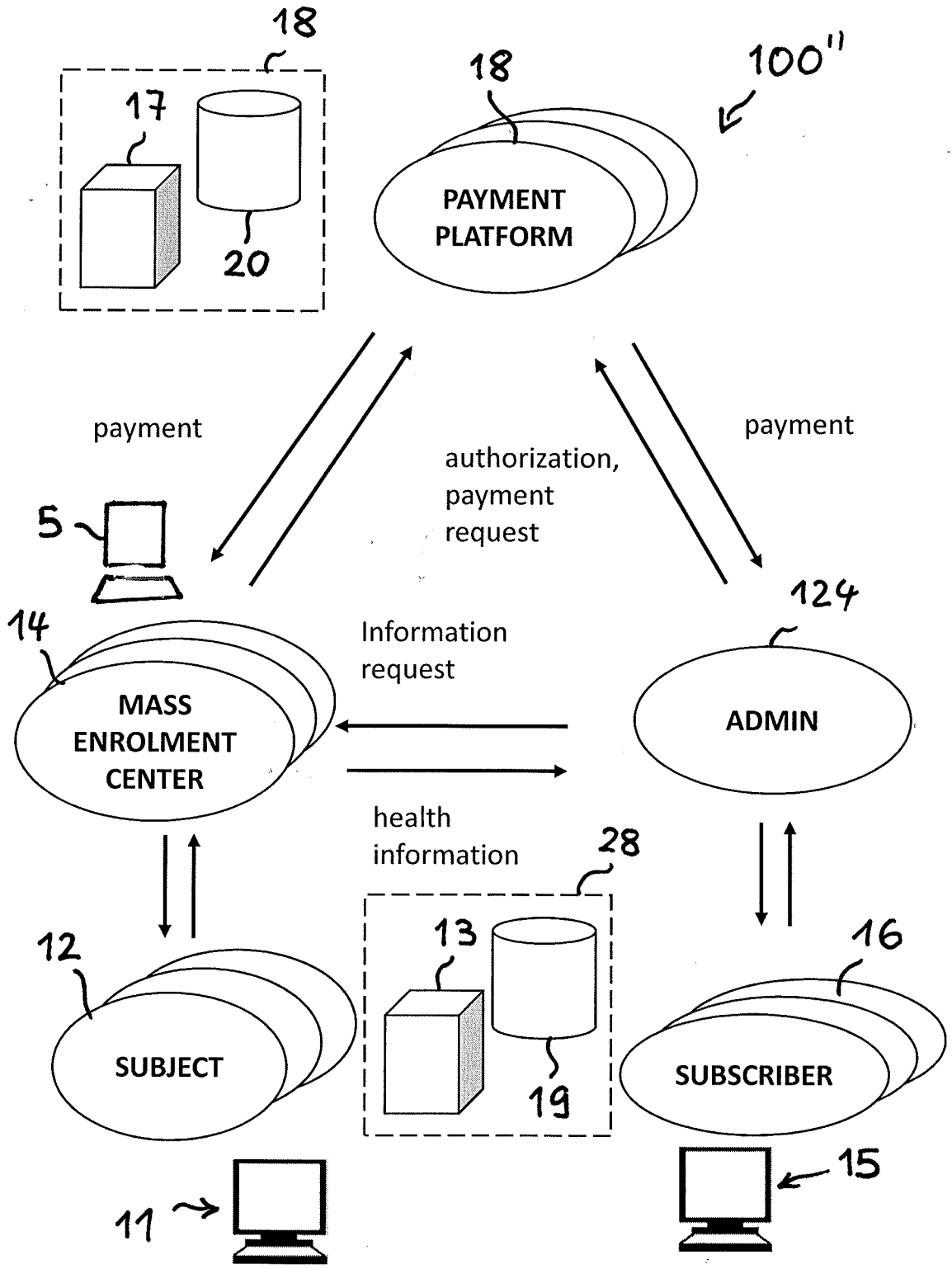
18
17
20
18
100''
PAYMENT PLATFORM
payment
authorization, payment request
payment
5
124
14
Information request
MASS ENROLMENT CENTER
ADMIN
health information
28
12
13
16
SUBJECT
19
SUBSCRIBER
11
15

Fig. 3

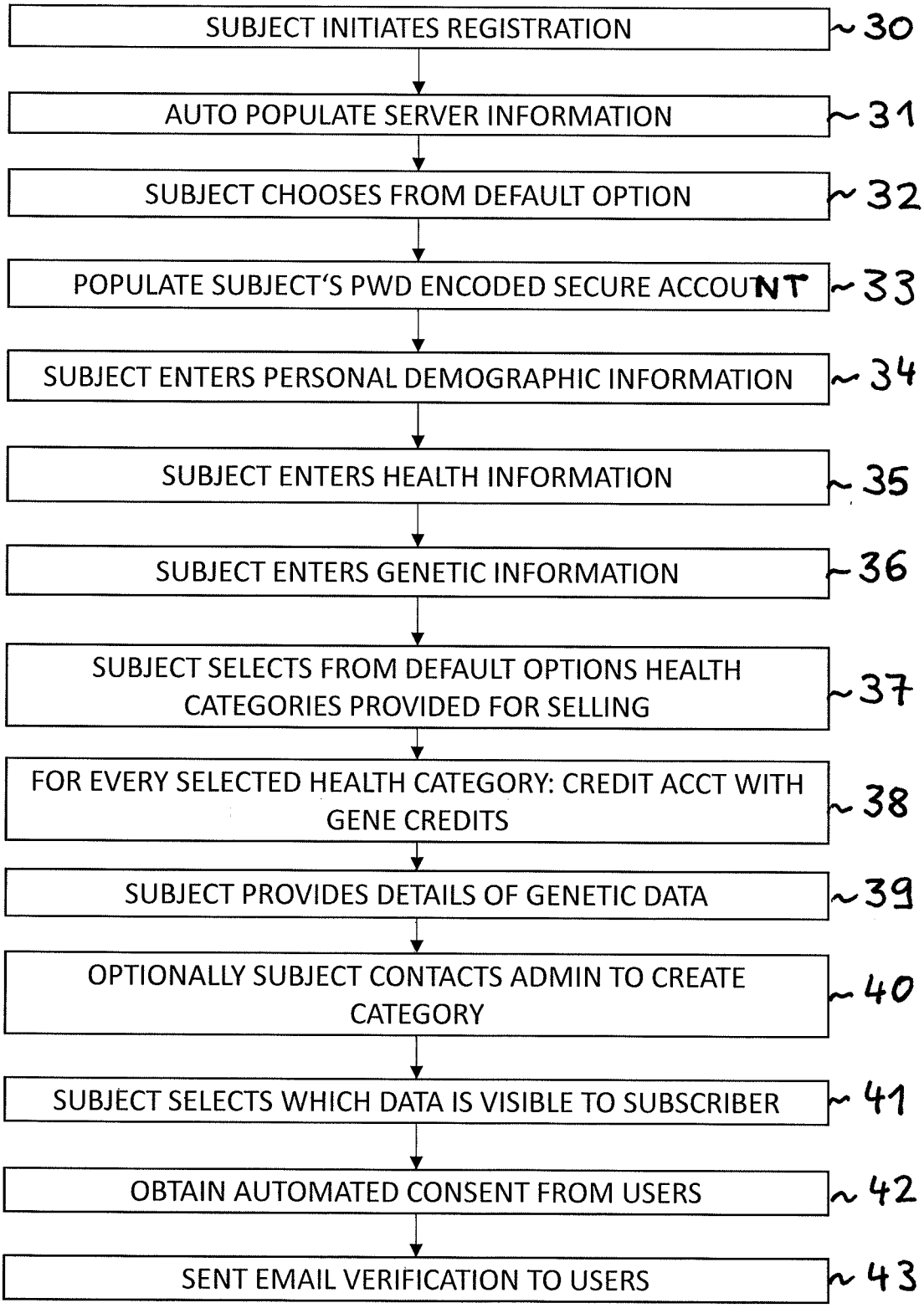
SUBJECT INITIATES REGISTRATION
30
AUTO POPULATE SERVER INFORMATION
31
SUBJECT CHOOSES FROM DEFAULT OPTION
32
POPULATE SUBJECT'S PWD ENCODED SECURE ACCOUNT
33
SUBJECT ENTERS PERSONAL DEMOGRAPHIC INFORMATION
34
SUBJECT ENTERS HEALTH INFORMATION
35
SUBJECT ENTERS GENETIC INFORMATION
36
SUBJECT SELECTS FROM DEFAULT OPTIONS HEALTH CATEGORIES PROVIDED FOR SELLING
37
FOR EVERY SELECTED HEALTH CATEGORY: CREDIT ACCT WITH GENE CREDITS
38
SUBJECT PROVIDES DETAILS OF GENETIC DATA
39
OPTIONALLY SUBJECT CONTACTS ADMIN TO CREATE CATEGORY
40
SUBJECT SELECTS WHICH DATA IS VISIBLE TO SUBSCRIBER
41
OBTAIN AUTOMATED CONSENT FROM USERS
42
SENT EMAIL VERIFICATION TO USERS
43

Fig. 4

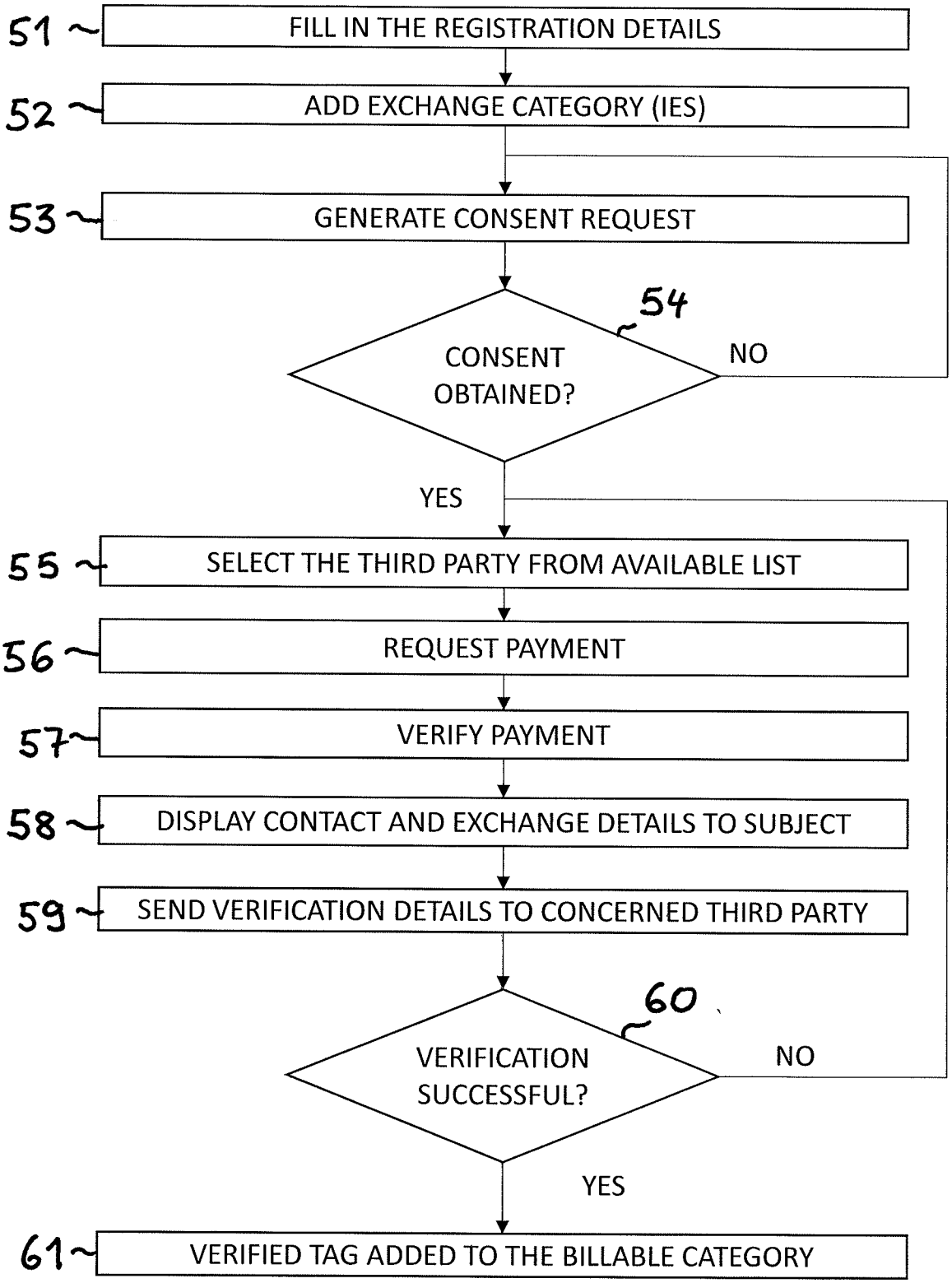
51
FILL IN THE REGISTRATION DETAILS
52
ADD EXCHANGE CATEGORY (IES)
53
GENERATE CONSENT REQUEST
54
CONSENT OBTAINED?
NO
YES
55
SELECT THE THIRD PARTY FROM AVAILABLE LIST
56
REQUEST PAYMENT
57
VERIFY PAYMENT
58
DISPLAY CONTACT AND EXCHANGE DETAILS TO SUBJECT
59
SEND VERIFICATION DETAILS TO CONCERNED THIRD PARTY
60
VERIFICATION SUCCESSFUL?
NO
YES
61
VERIFIED TAG ADDED TO THE BILLABLE CATEGORY

Fig. 5

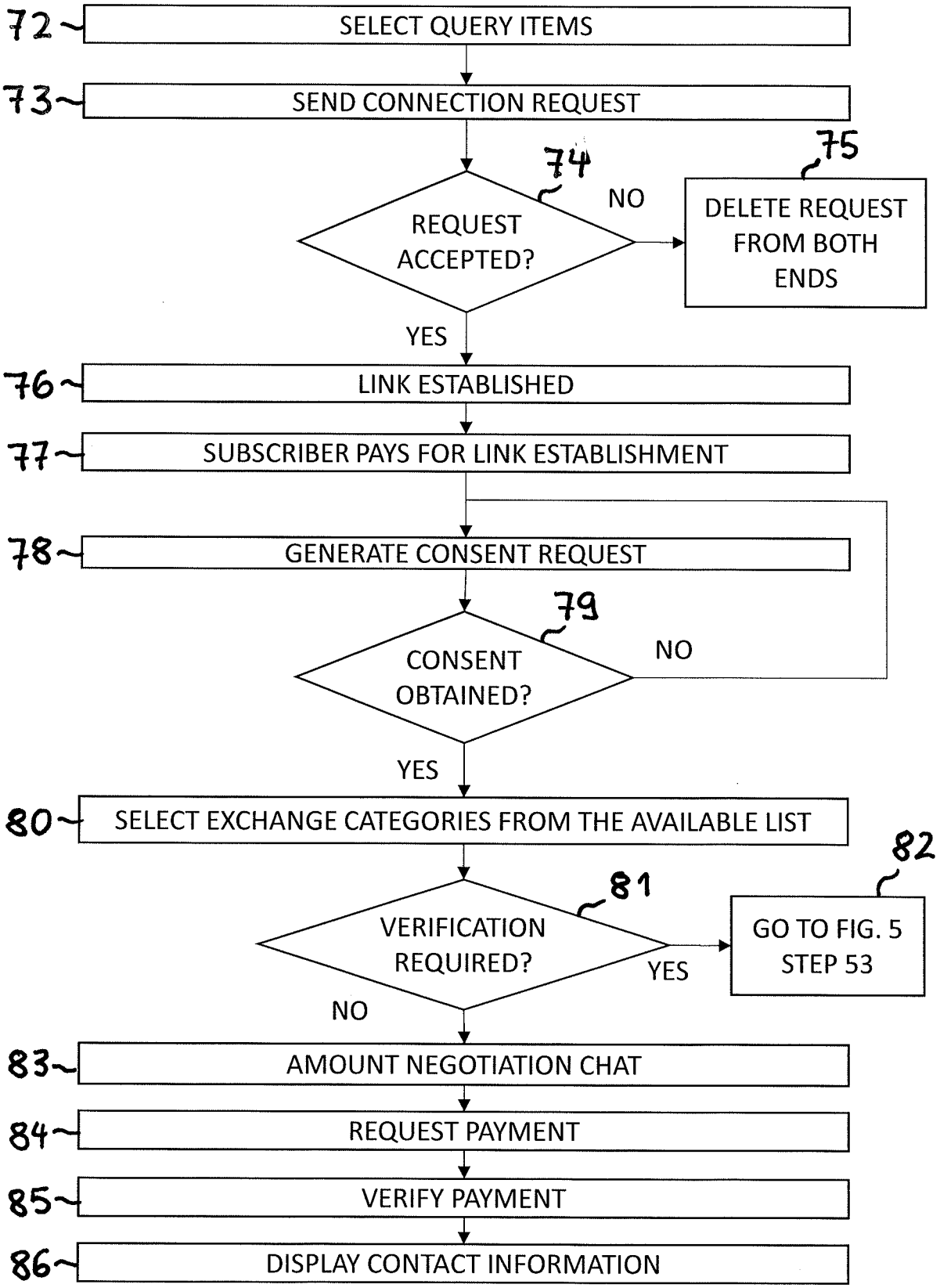
72
SELECT QUERY ITEMS
73
SEND CONNECTION REQUEST
74
REQUEST ACCEPTED?
NO
75
DELETE REQUEST FROM BOTH ENDS
YES
76
LINK ESTABLISHED
77
SUBSCRIBER PAYS FOR LINK ESTABLISHMENT
78
GENERATE CONSENT REQUEST
79
CONSENT OBTAINED?
NO
YES
80
SELECT EXCHANGE CATEGORIES FROM THE AVAILABLE LIST
81
VERIFICATION REQUIRED?
YES
82
GO TO FIG. 5 STEP 53
NO
83
AMOUNT NEGOTIATION CHAT
84
REQUEST PAYMENT
85
VERIFY PAYMENT
86
DISPLAY CONTACT INFORMATION

Fig. 6

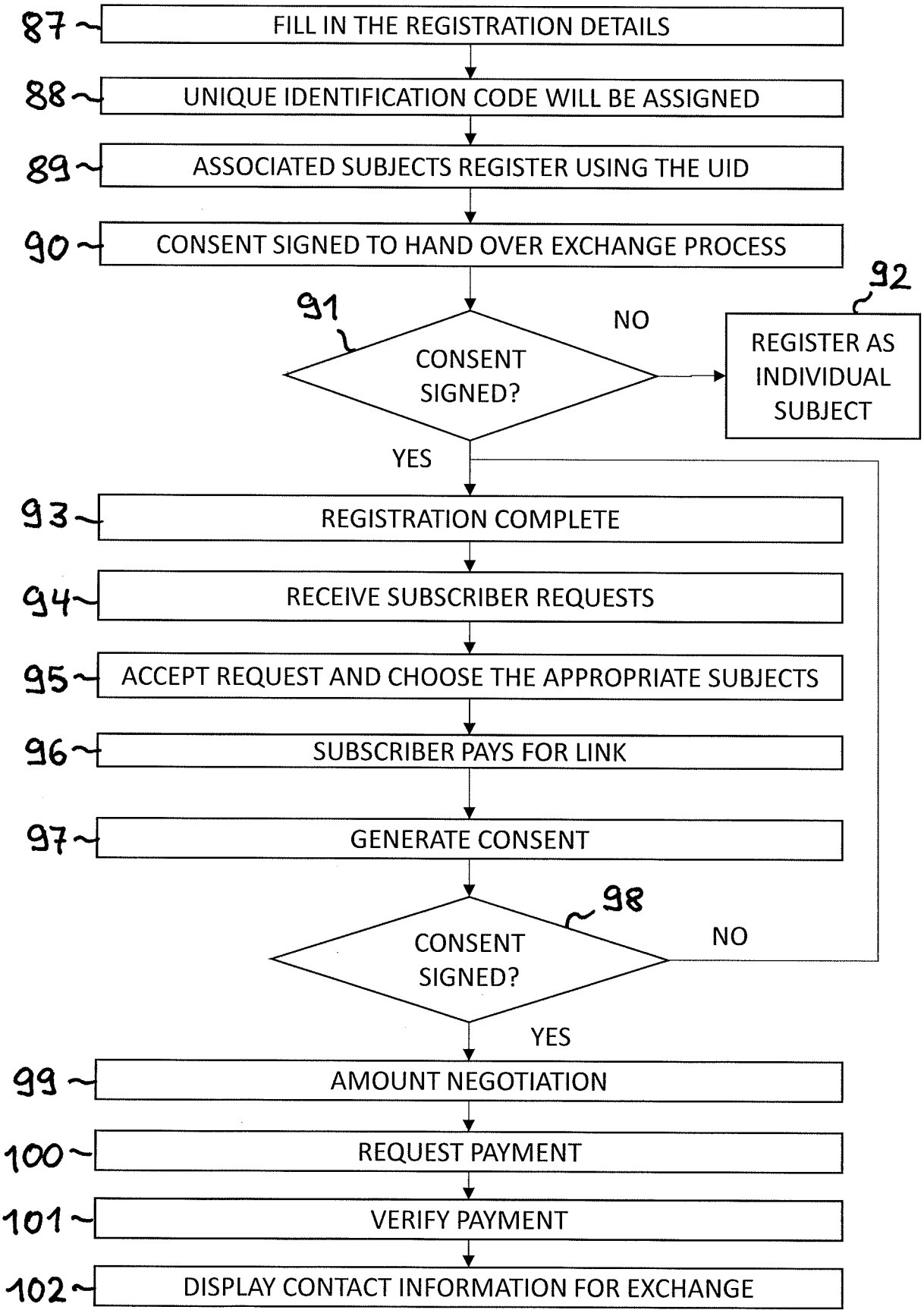
87
FILL IN THE REGISTRATION DETAILS
88
UNIQUE IDENTIFICATION CODE WILL BE ASSIGNED
89
ASSOCIATED SUBJECTS REGISTER USING THE UID
90
CONSENT SIGNED TO HAND OVER EXCHANGE PROCESS
91
CONSENT SIGNED?
NO
92
REGISTER AS INDIVIDUAL SUBJECT
YES
93
REGISTRATION COMPLETE
94
RECEIVE SUBSCRIBER REQUESTS
95
ACCEPT REQUEST AND CHOOSE THE APPROPRIATE SUBJECTS
96
SUBSCRIBER PAYS FOR LINK
97
GENERATE CONSENT
98
CONSENT SIGNED?
NO
YES
99
AMOUNT NEGOTIATION
100
REQUEST PAYMENT
101
VERIFY PAYMENT
102
DISPLAY CONTACT INFORMATION FOR EXCHANGE

Fig. 7

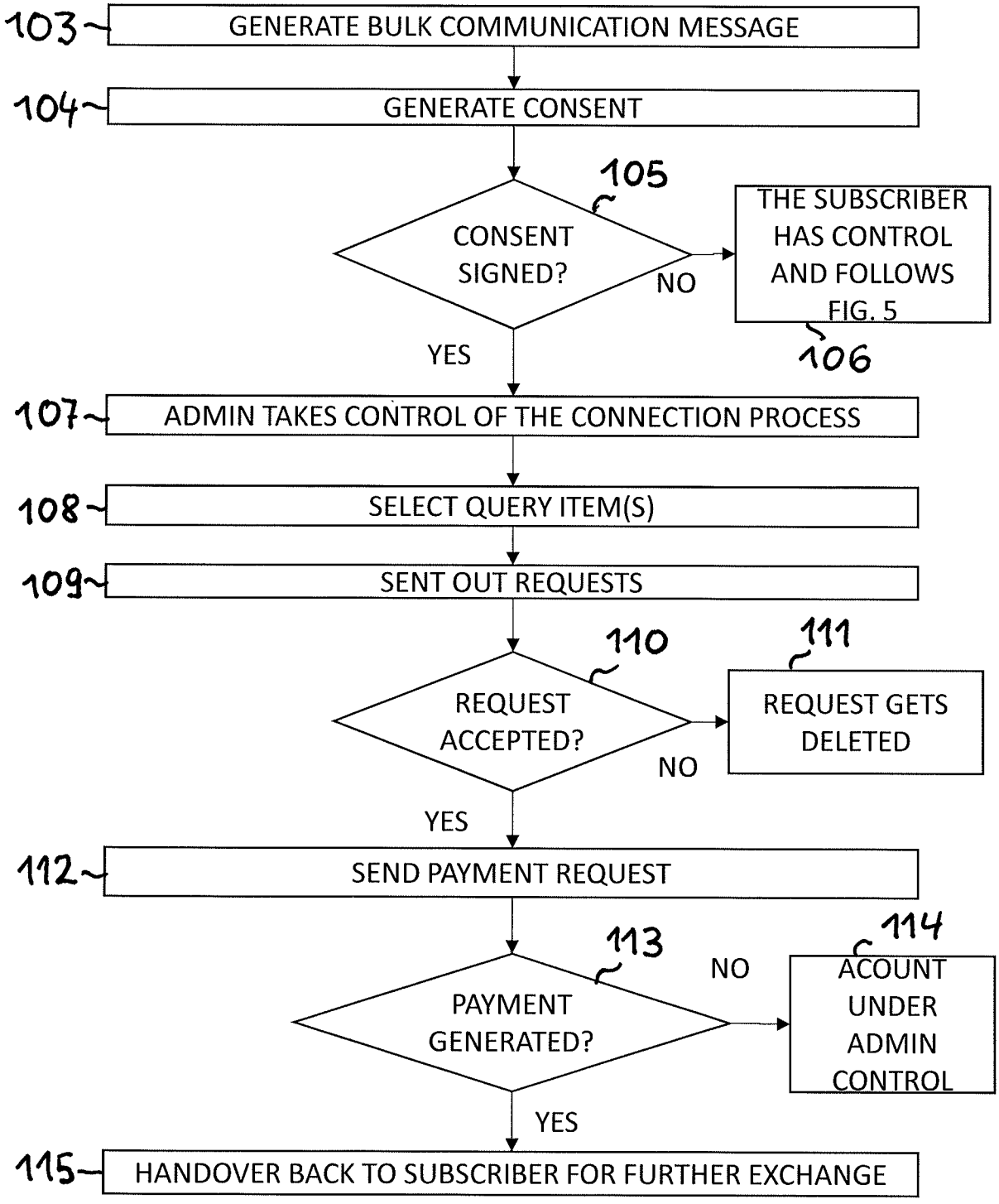
103
GENERATE BULK COMMUNICATION MESSAGE
104
GENERATE CONSENT
105
CONSENT SIGNED?
NO
THE SUBSCRIBER HAS CONTROL AND FOLLOWS FIG. 5
106
YES
107
ADMIN TAKES CONTROL OF THE CONNECTION PROCESS
108
SELECT QUERY ITEM(S)
109
SENT OUT REQUESTS
110
REQUEST ACCEPTED?
NO
111
REQUEST GETS DELETED
YES
112
SEND PAYMENT REQUEST
113
PAYMENT GENERATED?
NO
114
ACOUNT UNDER ADMIN CONTROL
YES
115
HANDOVER BACK TO SUBSCRIBER FOR FURTHER EXCHANGE

Fig. 8

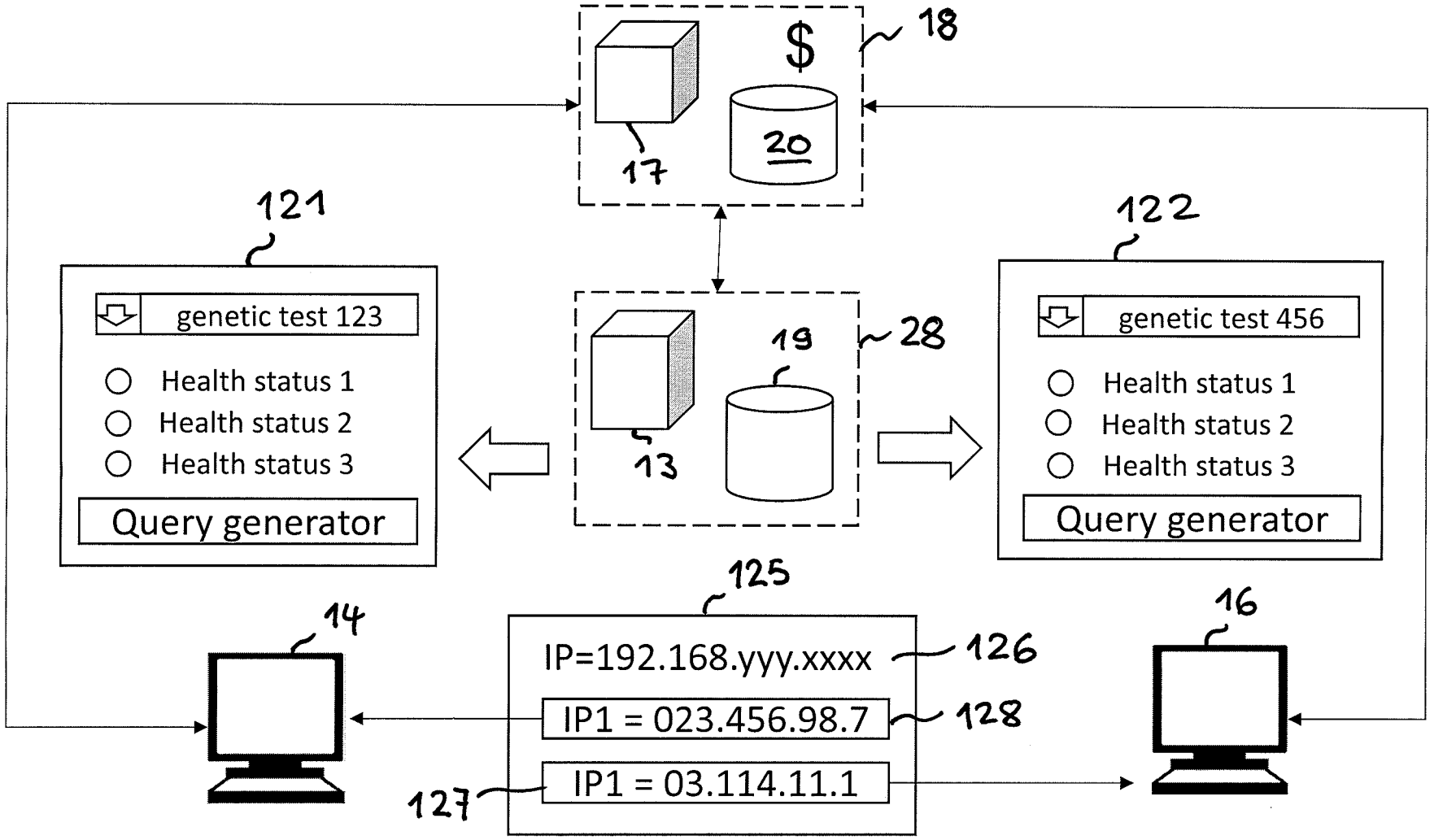
18
$
17
20
121
122
genetic test 123
Health status 1
Health status 2
Health status 3
Query generator
19
28
13
genetic test 456
Health status 1
Health status 2
Health status 3
Query generator
125
14
16
IP=192.168.yyy.xxxx
126
IP1 = 023.456.98.7
128
IP1 = 03.114.11.1
127

Fig. 9

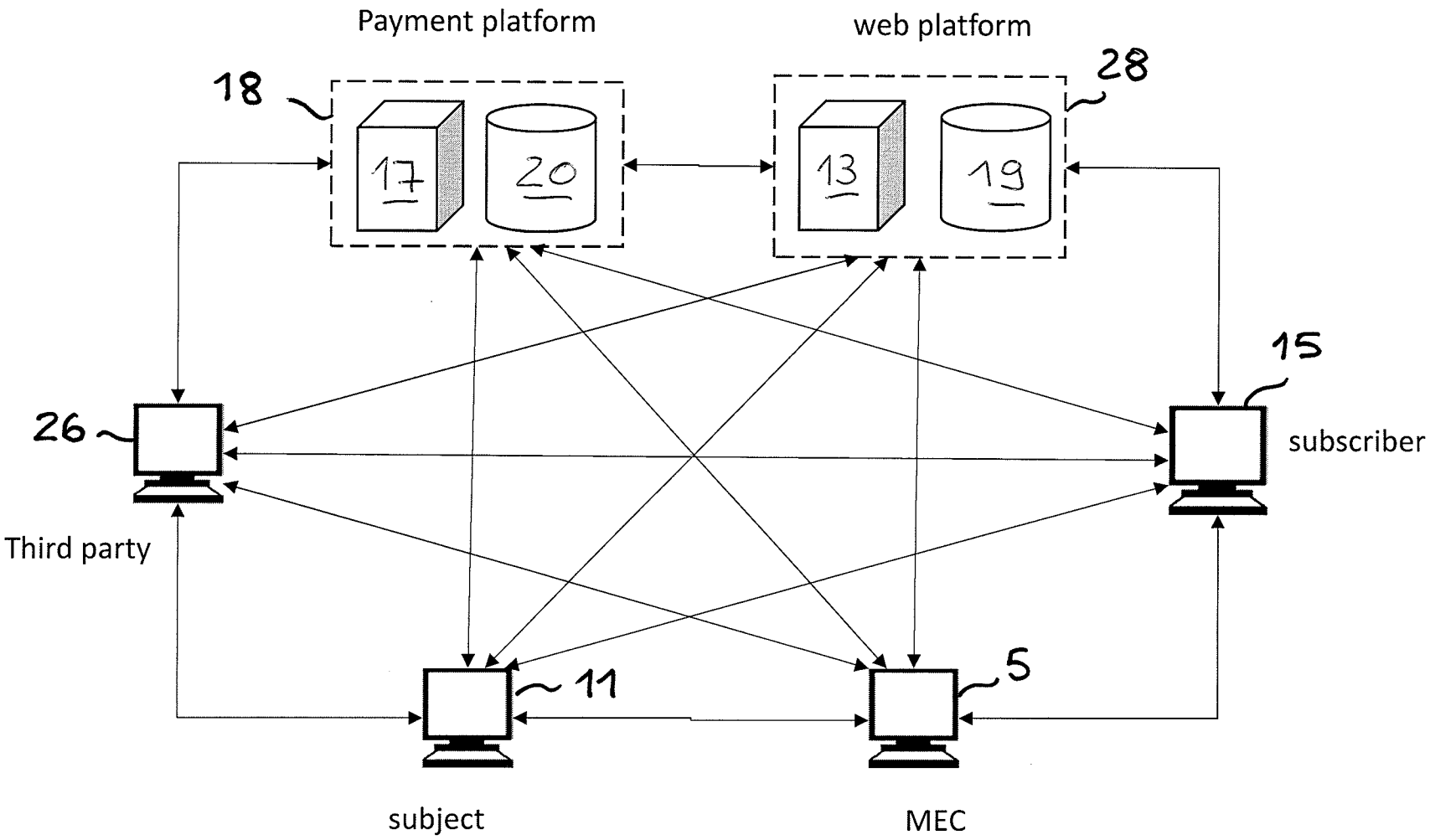
Payment platform
web platform
18
28
17
20
13
19
15
26
subscriber
Third party
11
5
subject
MEC

Fig. 10