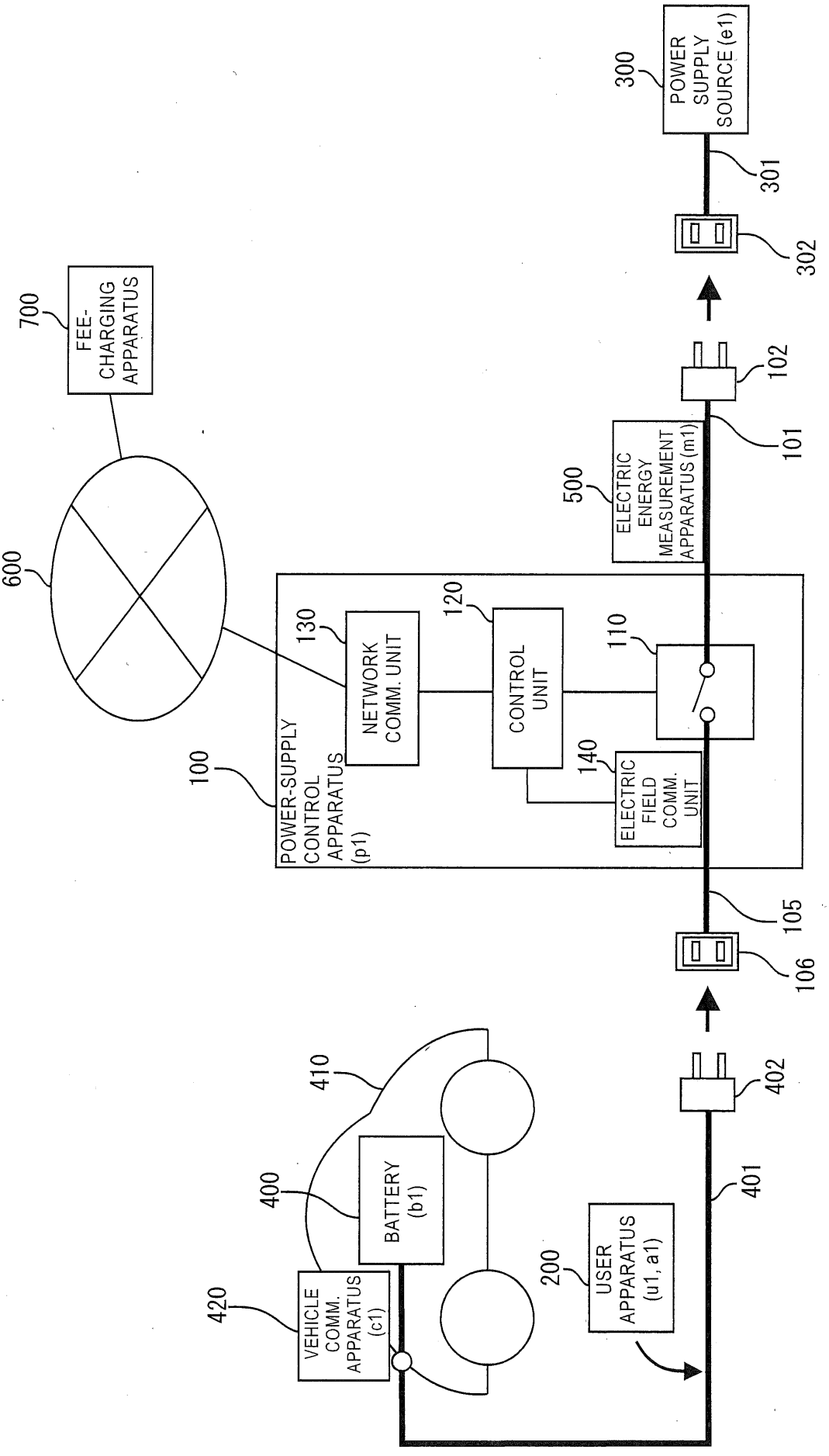

700
FEE-CHARGING APPARATUS
600
300
POWER SUPPLY SOURCE (e1)
301
302
102
101
500
ELECTRIC ENERGY MEASUREMENT APPARATUS (m1)
100
POWER-SUPPLY CONTROL APPARATUS (p1)
130
NETWORK COMM. UNIT
120
CONTROL UNIT
110
140
ELECTRIC FIELD COMM. UNIT
105
106
410
400
BATTERY (b1)
420
VEHICLE COMM. APPARATUS (c1)
200
USER APPARATUS (u1, a1)
402
401

FIG. 1

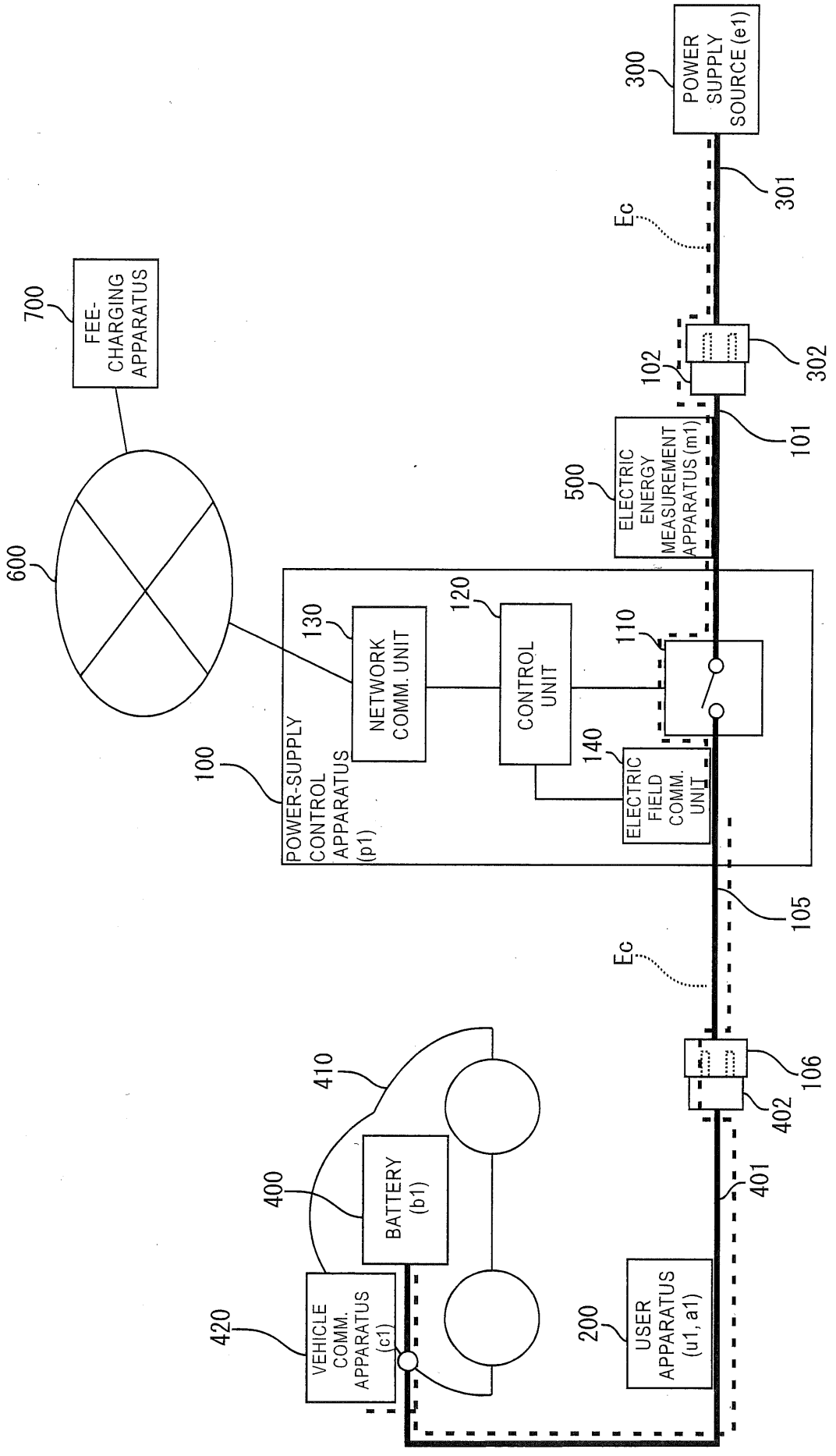

700
FEE-CHARGING APPARATUS
600
100
POWER-SUPPLY CONTROL APPARATUS (p1)
130
NETWORK COMM. UNIT
120
CONTROL UNIT
110
140
ELECTRIC FIELD COMM. UNIT
500
ELECTRIC ENERGY MEASUREMENT APPARATUS (m1)
102
101
300
POWER SUPPLY SOURCE (e1)
301
302
Ec
105
106
402
401
410
400
BATTERY (b1)
420
VEHICLE COMM. APPARATUS (c1)
200
USER APPARATUS (u1, a1)

FIG. 2

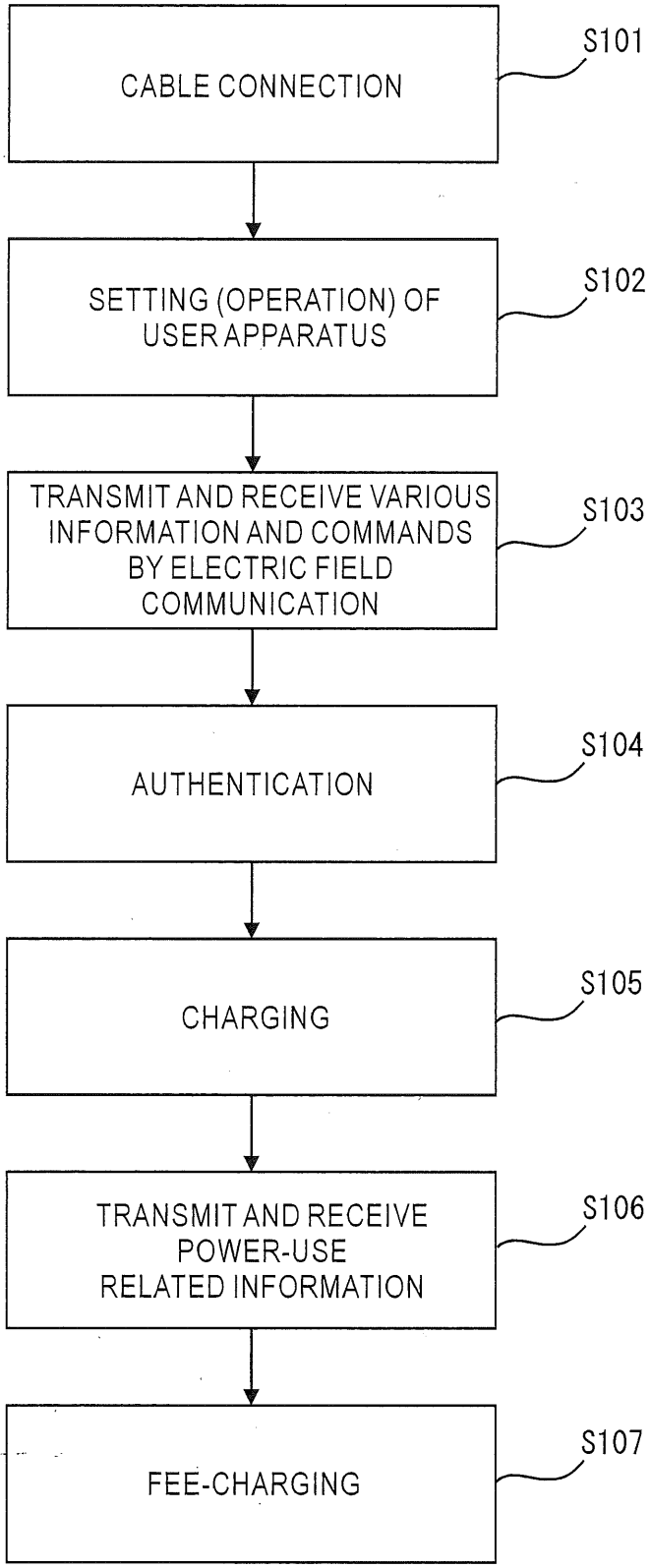

CABLE CONNECTION
S101
SETTING (OPERATION) OF USER APPARATUS
S102
TRANSMIT AND RECEIVE VARIOUS INFORMATION AND COMMANDS BY ELECTRIC FIELD COMMUNICATION
S103
AUTHENTICATION
S104
CHARGING
S105
TRANSMIT AND RECEIVE POWER-USE RELATED INFORMATION
S106
FEE-CHARGING
S107

FIG. 3

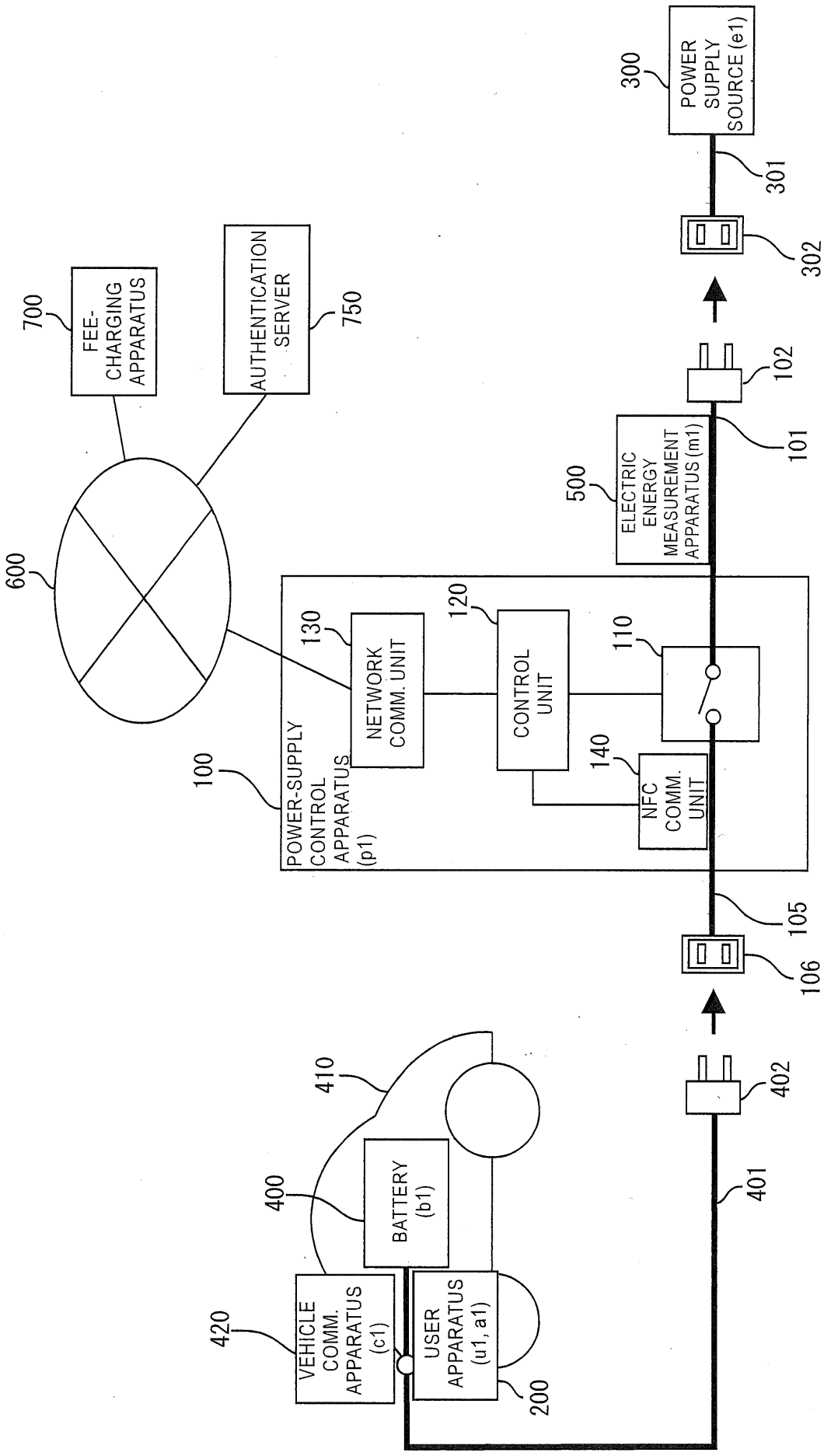

300
POWER SUPPLY SOURCE (e1)
301
302
102
101
500
ELECTRIC ENERGY MEASUREMENT APPARATUS (m1)
700
FEE-CHARGING APPARATUS
AUTHENTICATION SERVER
750
600
130
NETWORK COMM. UNIT
120
CONTROL UNIT
110
140
NFC COMM. UNIT
100
POWER-SUPPLY CONTROL APPARATUS (p1)
105
106
402
401
410
400
BATTERY (b1)
420
VEHICLE COMM. APPARATUS (c1)
USER APPARATUS (u1, a1)
200

FIG. 4

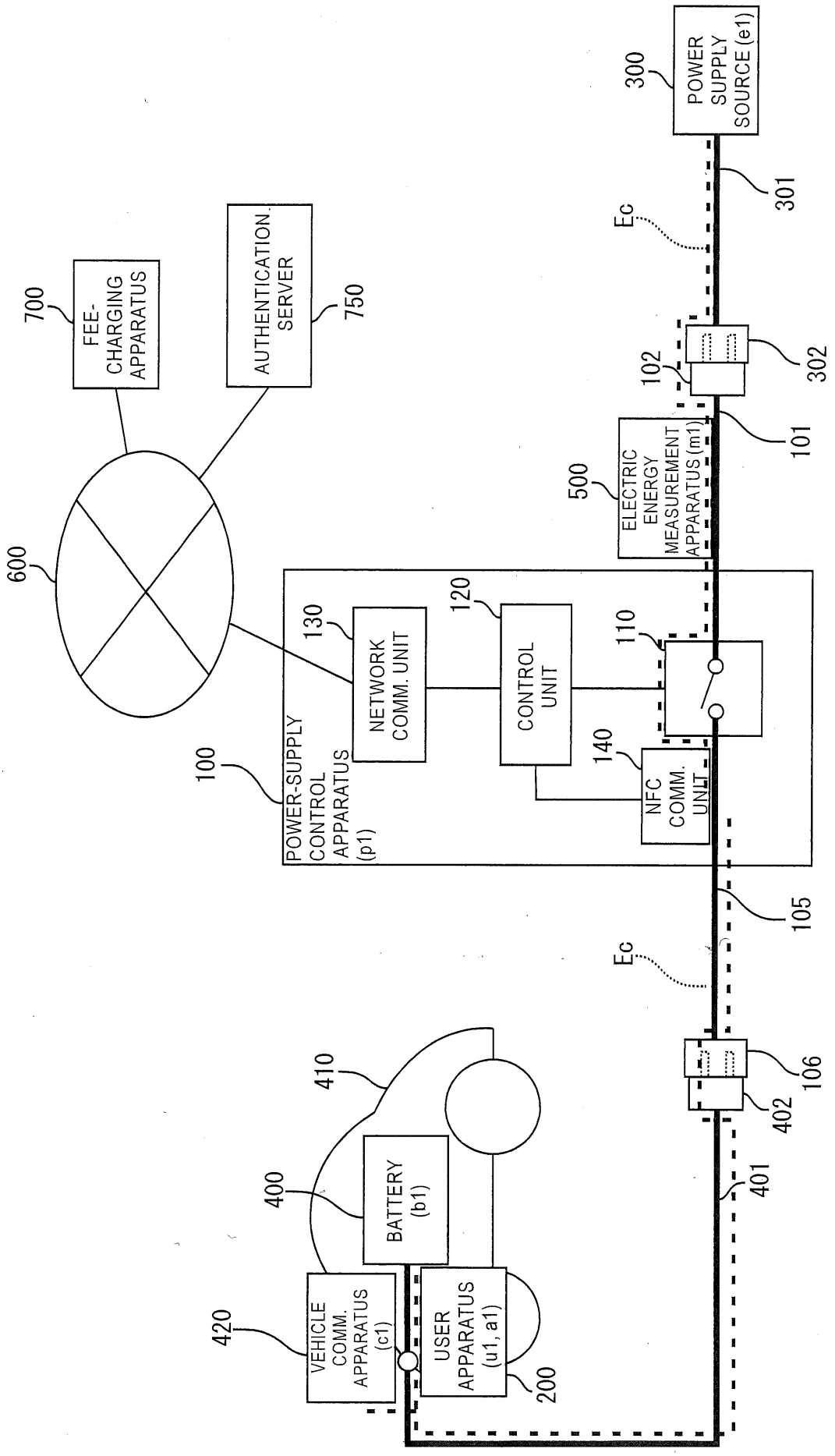

700
FEE-CHARGING APPARATUS
750
AUTHENTICATION SERVER
600
300
POWER SUPPLY SOURCE (e1)
Ec
301
102
302
101
500
ELECTRIC ENERGY MEASUREMENT APPARATUS (m1)
130
120
110
NETWORK COMM. UNIT
CONTROL UNIT
100
POWER-SUPPLY CONTROL APPARATUS (p1)
140
NFC COMM. UNIT
105
Ec
410
400
BATTERY (b1)
106
402
401
420
VEHICLE COMM. APPARATUS (c1)
USER APPARATUS (u1, a1)
200

FIG. 5

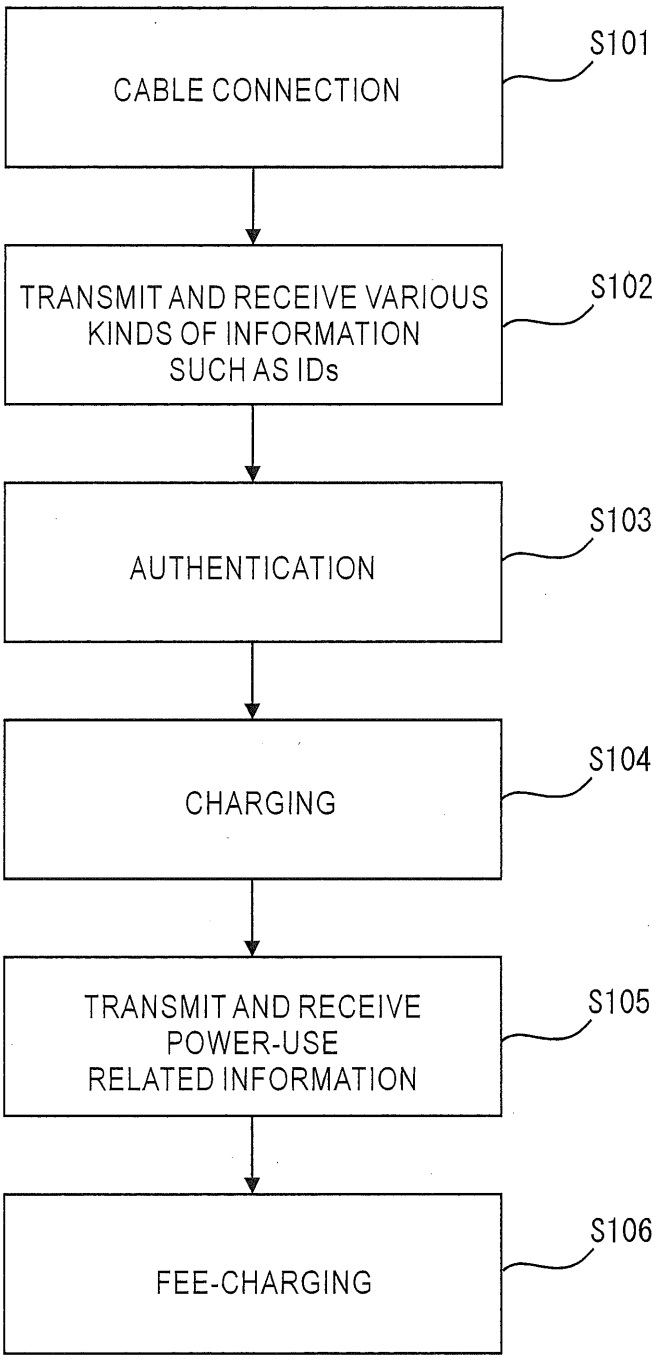

CABLE CONNECTION
S101
TRANSMIT AND RECEIVE VARIOUS KINDS OF INFORMATION SUCH AS IDs
S102
AUTHENTICATION
S103
CHARGING
S104
TRANSMIT AND RECEIVE POWER-USE RELATED INFORMATION
S105
FEE-CHARGING
S106

FIG. 6

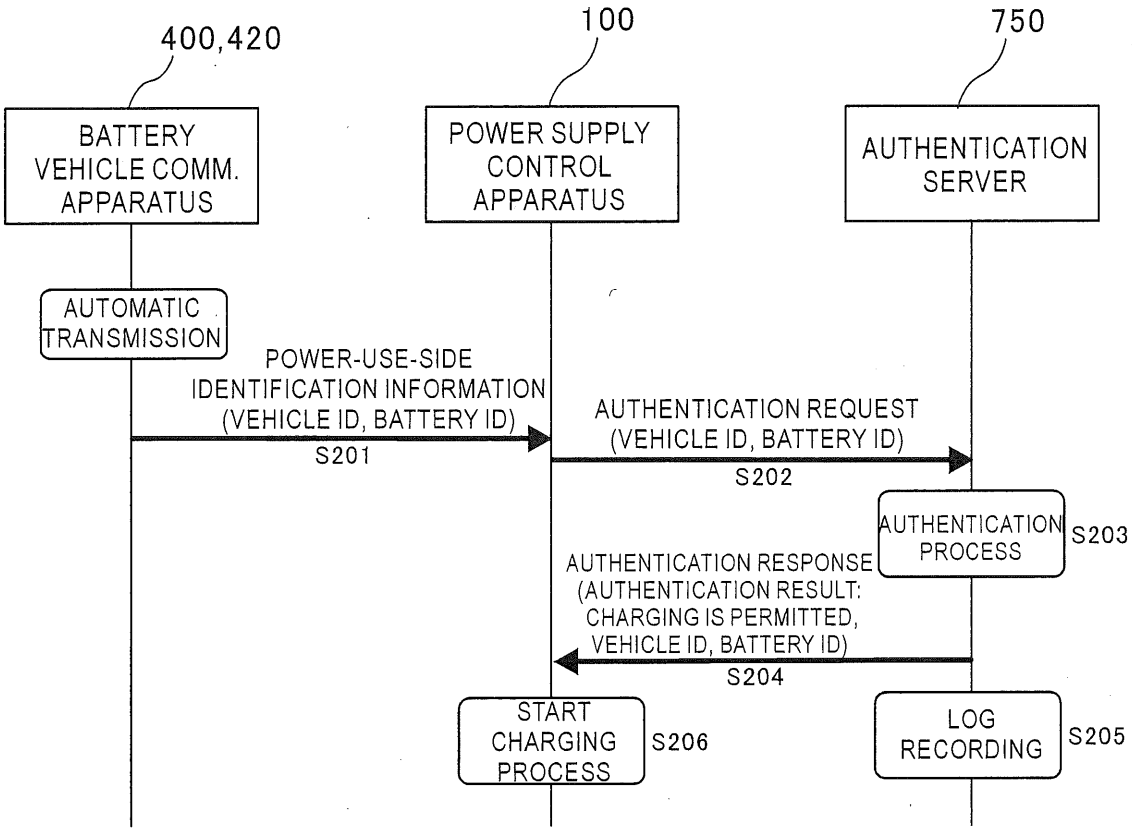

400,420
100
750
BATTERY VEHICLE COMM. APPARATUS
POWER SUPPLY CONTROL APPARATUS
AUTHENTICATION SERVER
AUTOMATIC TRANSMISSION
POWER-USE-SIDE IDENTIFICATION INFORMATION (VEHICLE ID, BATTERY ID)
S201
AUTHENTICATION REQUEST (VEHICLE ID, BATTERY ID)
S202
AUTHENTICATION PROCESS
S203
AUTHENTICATION RESPONSE (AUTHENTICATION RESULT: CHARGING IS PERMITTED, VEHICLE ID, BATTERY ID)
S204
START CHARGING PROCESS
S206
LOG RECORDING
S205

FIG. 7

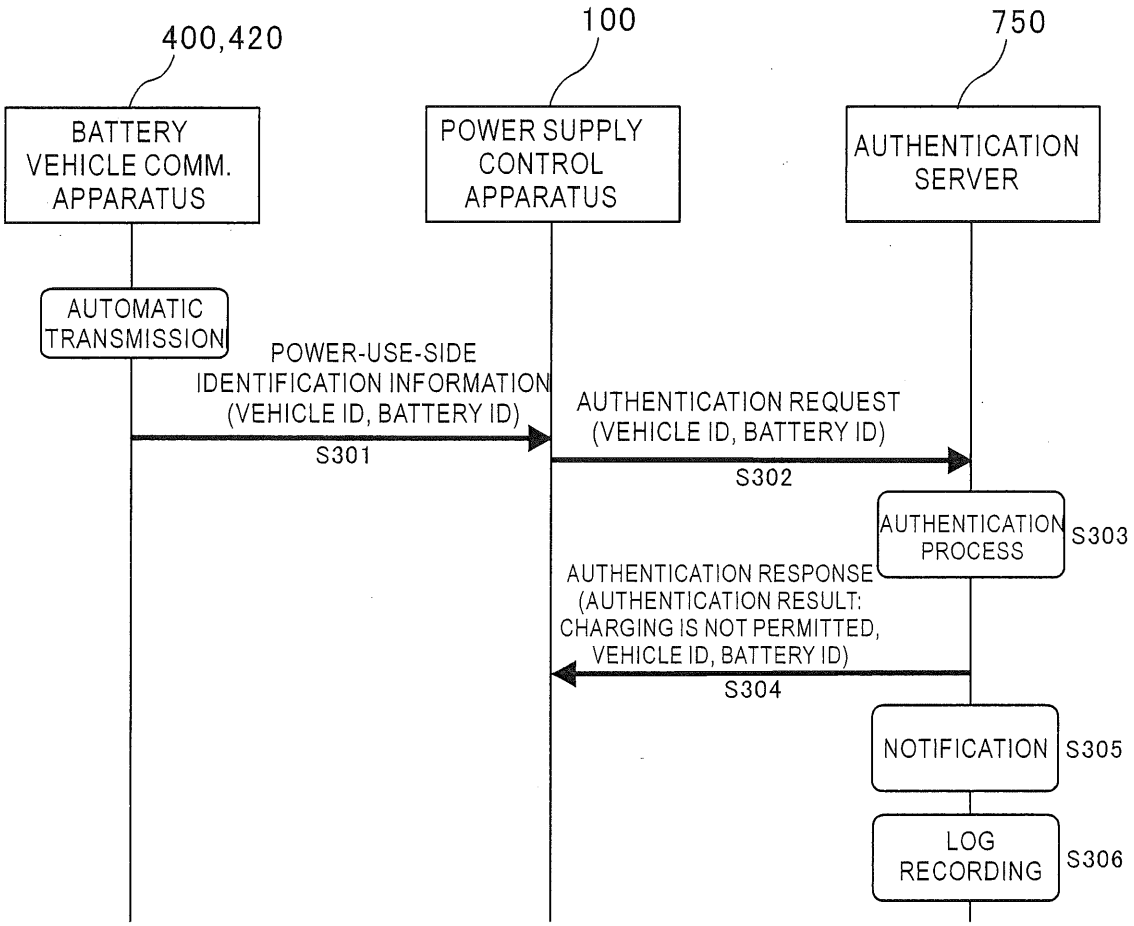

400,420
100
750
BATTERY VEHICLE COMM. APPARATUS
POWER SUPPLY CONTROL APPARATUS
AUTHENTICATION SERVER
AUTOMATIC TRANSMISSION
POWER-USE-SIDE IDENTIFICATION INFORMATION (VEHICLE ID, BATTERY ID)
S301
AUTHENTICATION REQUEST (VEHICLE ID, BATTERY ID)
S302
AUTHENTICATION PROCESS
S303
AUTHENTICATION RESPONSE (AUTHENTICATION RESULT: CHARGING IS NOT PERMITTED, VEHICLE ID, BATTERY ID)
S304
NOTIFICATION
S305
LOG RECORDING
S306

FIG. 8