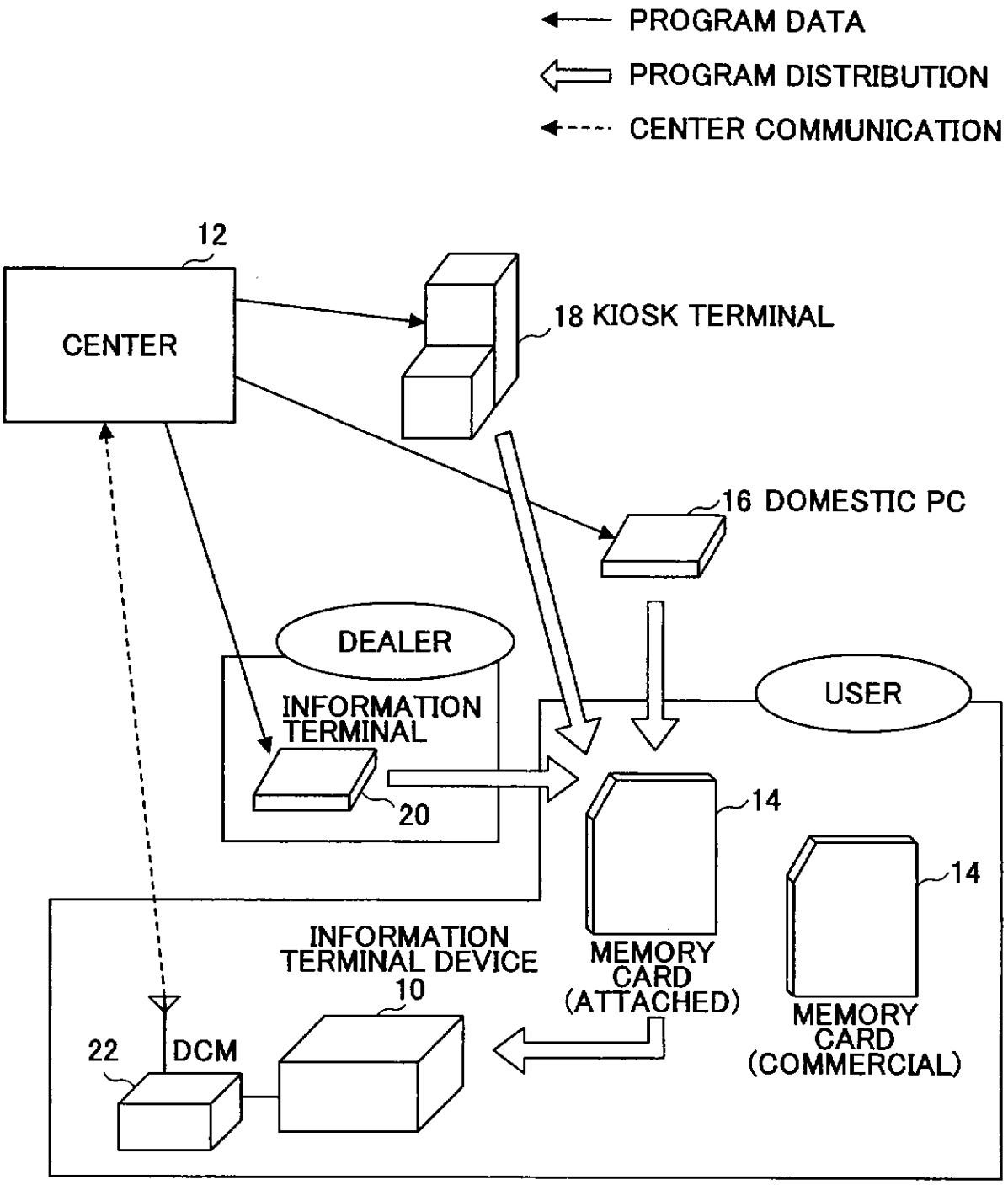
FIG.1


PROGRAM DATA
PROGRAM DISTRIBUTION
CENTER COMMUNICATION
12
CENTER
18 KIOSK TERMINAL
16 DOMESTIC PC
DEALER
INFORMATION TERMINAL
20
USER
14
14
INFORMATION TERMINAL DEVICE
10
MEMORY CARD (ATTACHED)
MEMORY CARD (COMMERCIAL)
22
DCM

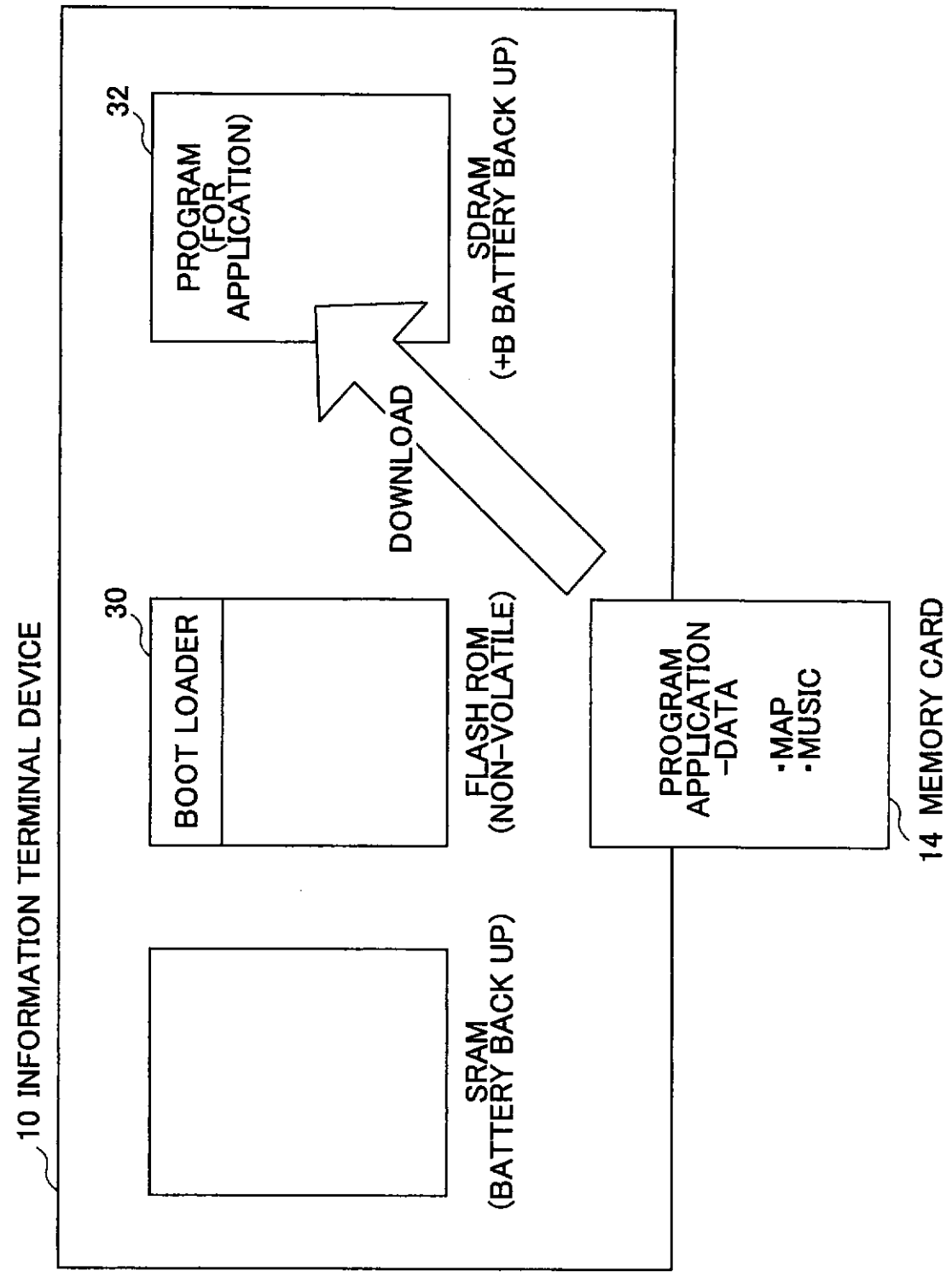

10 INFORMATION TERMINAL DEVICE
32
PROGRAM (FOR APPLICATION)
SDRAM (+B BATTERY BACK UP)
DOWNLOAD
30
BOOT LOADER
FLASH ROM (NON-VOLATILE)
PROGRAM APPLICATION -DATA
・MAP
・MUSIC
14 MEMORY CARD
SRAM (BATTERY BACK UP)

FIG.2

FIG.3

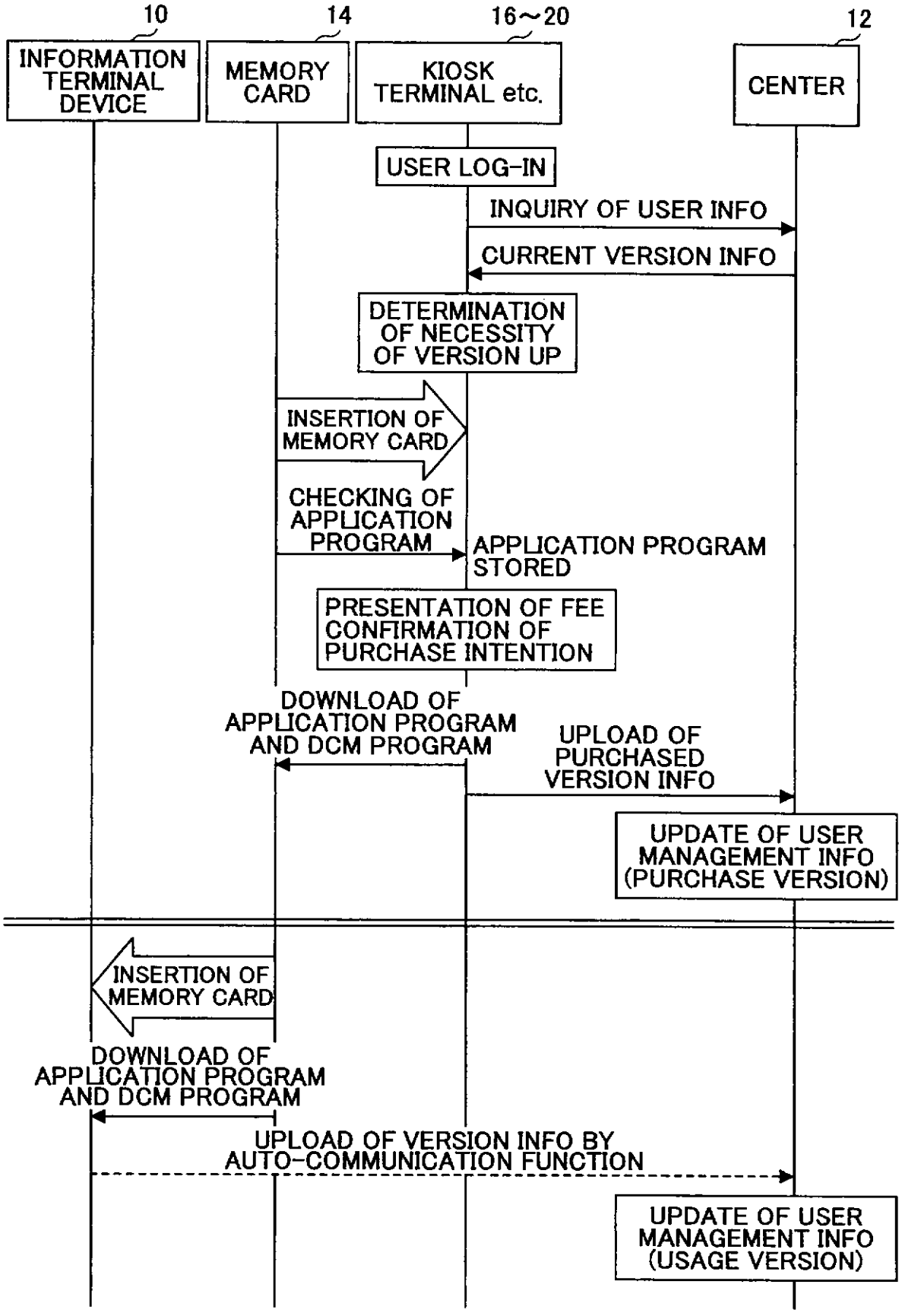

10
14
16～20
12
INFORMATION TERMINAL DEVICE
MEMORY CARD
KIOSK TERMINAL etc.
CENTER
USER LOG-IN
INQUIRY OF USER INFO
CURRENT VERSION INFO
DETERMINATION OF NECESSITY OF VERSION UP
INSERTION OF MEMORY CARD
CHECKING OF APPLICATION PROGRAM
APPLICATION PROGRAM STORED
PRESENTATION OF FEE CONFIRMATION OF PURCHASE INTENTION
DOWNLOAD OF APPLICATION PROGRAM AND DCM PROGRAM
UPLOAD OF PURCHASED VERSION INFO
UPDATE OF USER MANAGEMENT INFO (PURCHASE VERSION)
INSERTION OF MEMORY CARD
DOWNLOAD OF APPLICATION PROGRAM AND DCM PROGRAM
UPLOAD OF VERSION INFO BY AUTO-COMMUNICATION FUNCTION
UPDATE OF USER MANAGEMENT INFO (USAGE VERSION)

FIG.4

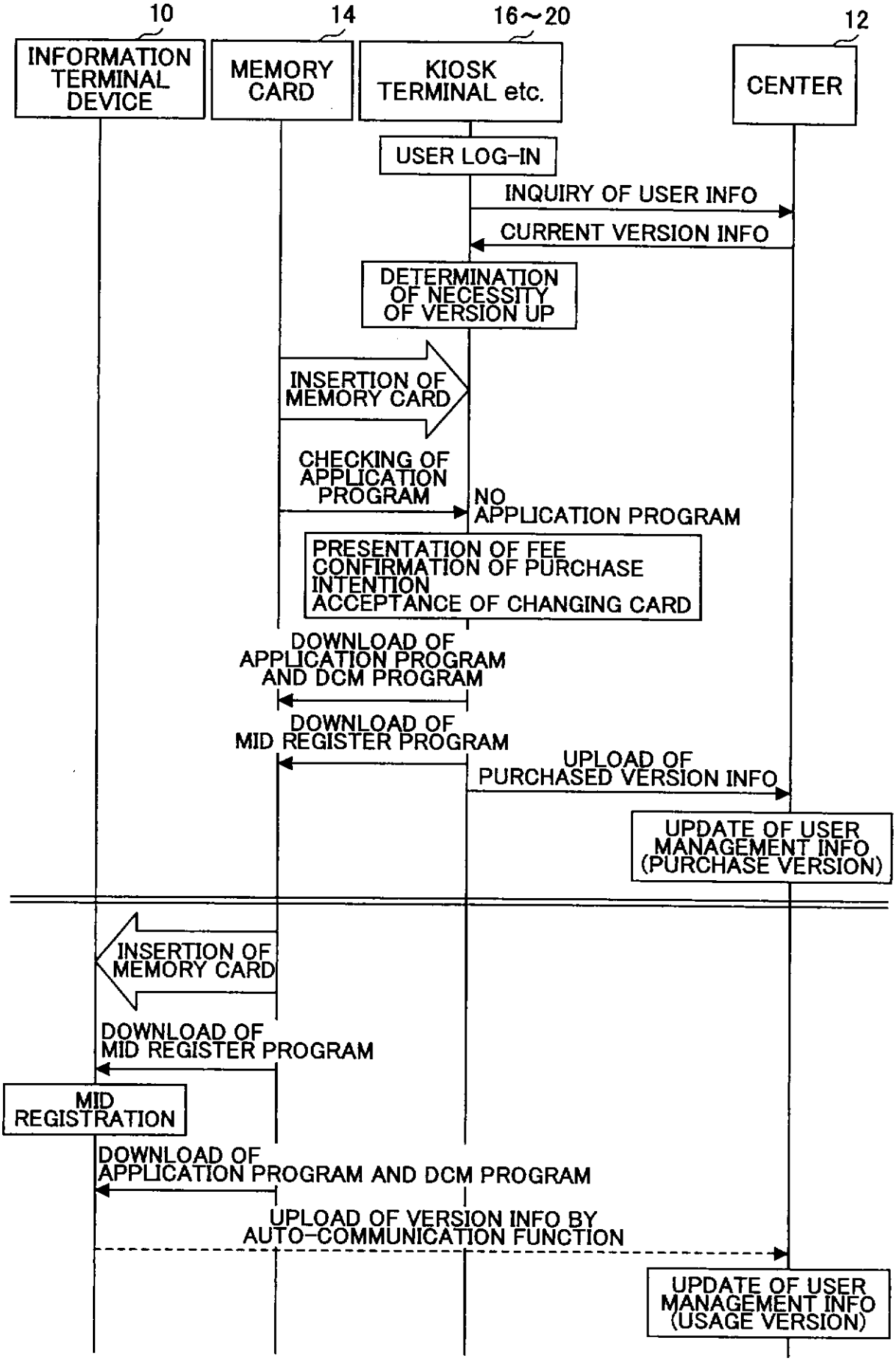

10
14
16～20
12
INFORMATION TERMINAL DEVICE
MEMORY CARD
KIOSK TERMINAL etc.
CENTER
USER LOG-IN
INQUIRY OF USER INFO
CURRENT VERSION INFO
DETERMINATION OF NECESSITY OF VERSION UP
INSERTION OF MEMORY CARD
CHECKING OF APPLICATION PROGRAM
NO APPLICATION PROGRAM
PRESENTATION OF FEE
CONFIRMATION OF PURCHASE INTENTION
ACCEPTANCE OF CHANGING CARD
DOWNLOAD OF APPLICATION PROGRAM AND DCM PROGRAM
DOWNLOAD OF MID REGISTER PROGRAM
UPLOAD OF PURCHASED VERSION INFO
UPDATE OF USER MANAGEMENT INFO (PURCHASE VERSION)
INSERTION OF MEMORY CARD
DOWNLOAD OF MID REGISTER PROGRAM
MID REGISTRATION
DOWNLOAD OF APPLICATION PROGRAM AND DCM PROGRAM
UPLOAD OF VERSION INFO BY AUTO-COMMUNICATION FUNCTION
UPDATE OF USER MANAGEMENT INFO (USAGE VERSION)

FIG.5

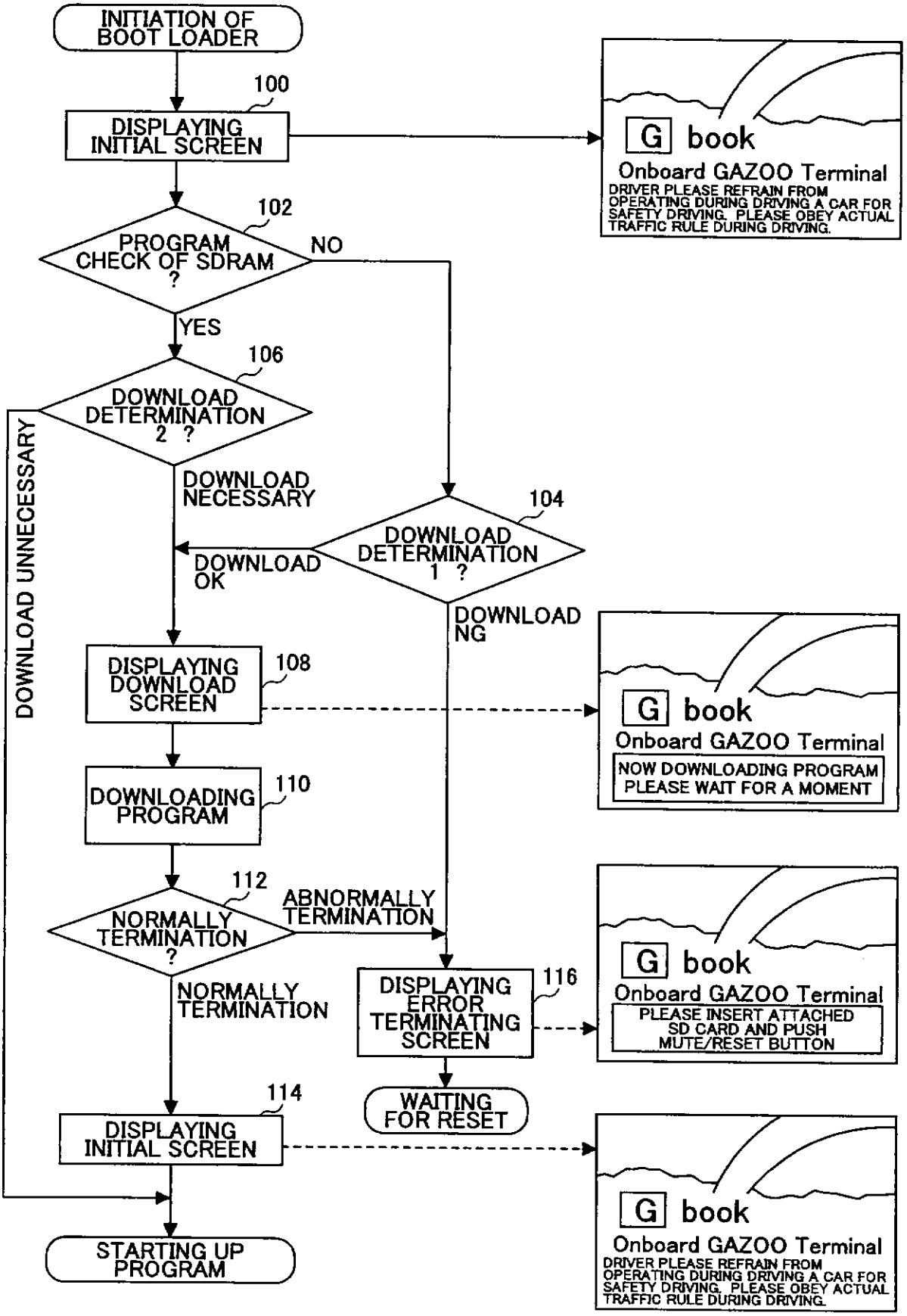

INITIATION OF BOOT LOADER
100
DISPLAYING INITIAL SCREEN
G book
Onboard GAZOO Terminal
DRIVER PLEASE REFRAIN FROM OPERATING DURING DRIVING A CAR FOR SAFETY DRIVING. PLEASE OBEY ACTUAL TRAFFIC RULE DURING DRIVING.
102
PROGRAM CHECK OF SDRAM ?
NO
YES
106
DOWNLOAD DETERMINATION 2 ?
DOWNLOAD UNNECESSARY
DOWNLOAD NECESSARY
104
DOWNLOAD DETERMINATION 1 ?
DOWNLOAD OK
DOWNLOAD NG
DISPLAYING DOWNLOAD SCREEN
108
G book
Onboard GAZOO Terminal
NOW DOWNLOADING PROGRAM PLEASE WAIT FOR A MOMENT
DOWNLOADING PROGRAM
110
112
NORMALLY TERMINATION ?
ABNORMALLY TERMINATION
NORMALLY TERMINATION
DISPLAYING ERROR TERMINATING SCREEN
116
G book
Onboard GAZOO Terminal
PLEASE INSERT ATTACHED SD CARD AND PUSH MUTE/RESET BUTTON
WAITING FOR RESET
114
DISPLAYING INITIAL SCREEN
G book
Onboard GAZOO Terminal
DRIVER PLEASE REFRAIN FROM OPERATING DURING DRIVING A CAR FOR SAFETY DRIVING. PLEASE OBEY ACTUAL TRAFFIC RULE DURING DRIVING.
STARTING UP PROGRAM

FIG.6

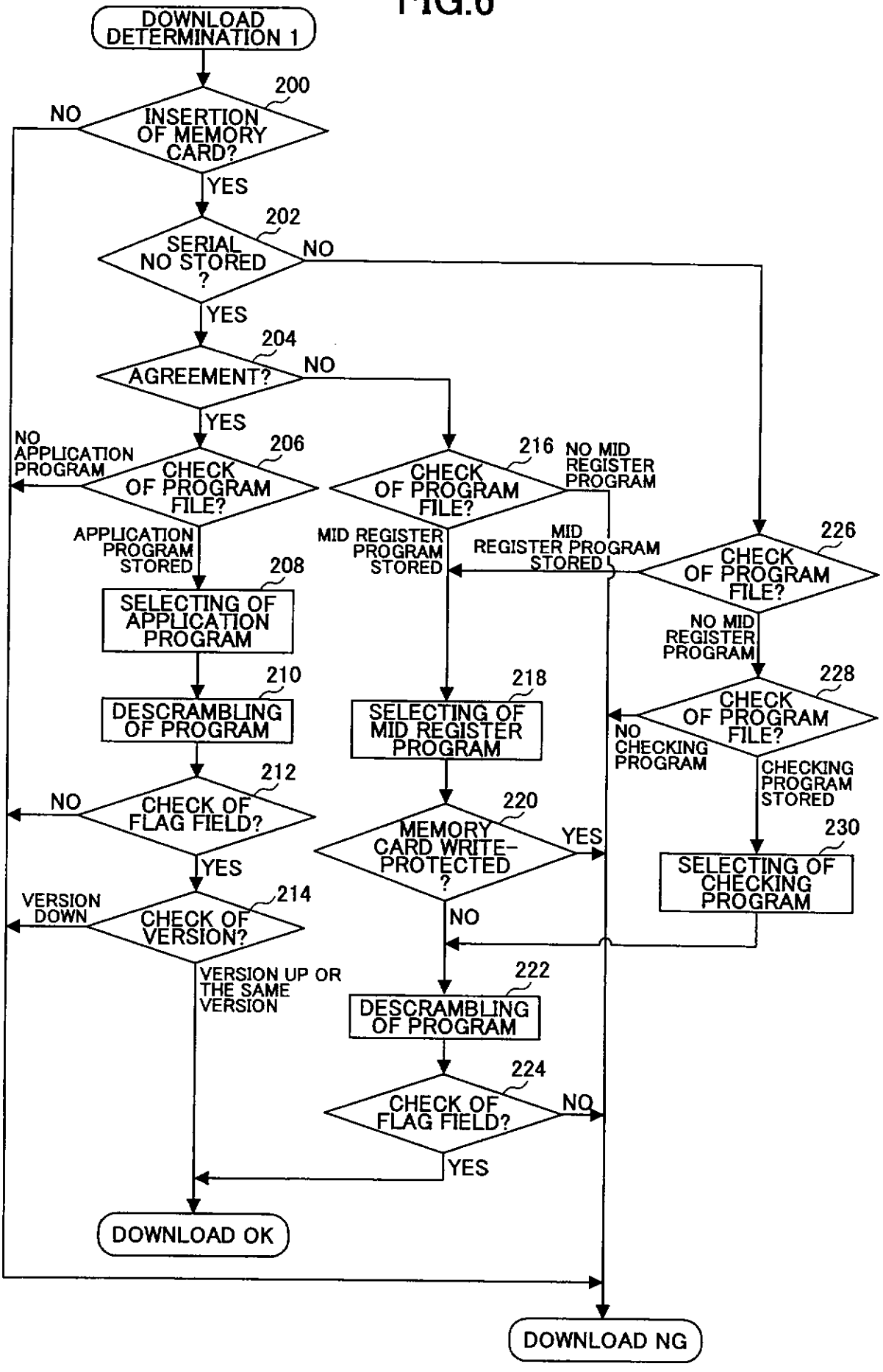

DOWNLOAD DETERMINATION 1
200
INSERTION OF MEMORY CARD?
NO
YES
202
SERIAL NO STORED ?
NO
YES
204
AGREEMENT?
NO
YES
206
CHECK OF PROGRAM FILE?
NO APPLICATION PROGRAM
APPLICATION PROGRAM STORED
208
SELECTING OF APPLICATION PROGRAM
210
DESCRAMBLING OF PROGRAM
212
CHECK OF FLAG FIELD?
NO
YES
214
CHECK OF VERSION?
VERSION DOWN
VERSION UP OR THE SAME VERSION
DOWNLOAD OK
216
CHECK OF PROGRAM FILE?
NO MID REGISTER PROGRAM
MID REGISTER PROGRAM STORED
218
SELECTING OF MID REGISTER PROGRAM
220
MEMORY CARD WRITE-PROTECTED ?
YES
NO
222
DESCRAMBLING OF PROGRAM
224
CHECK OF FLAG FIELD?
NO
YES
226
CHECK OF PROGRAM FILE?
NO MID REGISTER PROGRAM
228
CHECK OF PROGRAM FILE?
NO CHECKING PROGRAM
CHECKING PROGRAM STORED
230
SELECTING OF CHECKING PROGRAM
DOWNLOAD NG

FIG.7

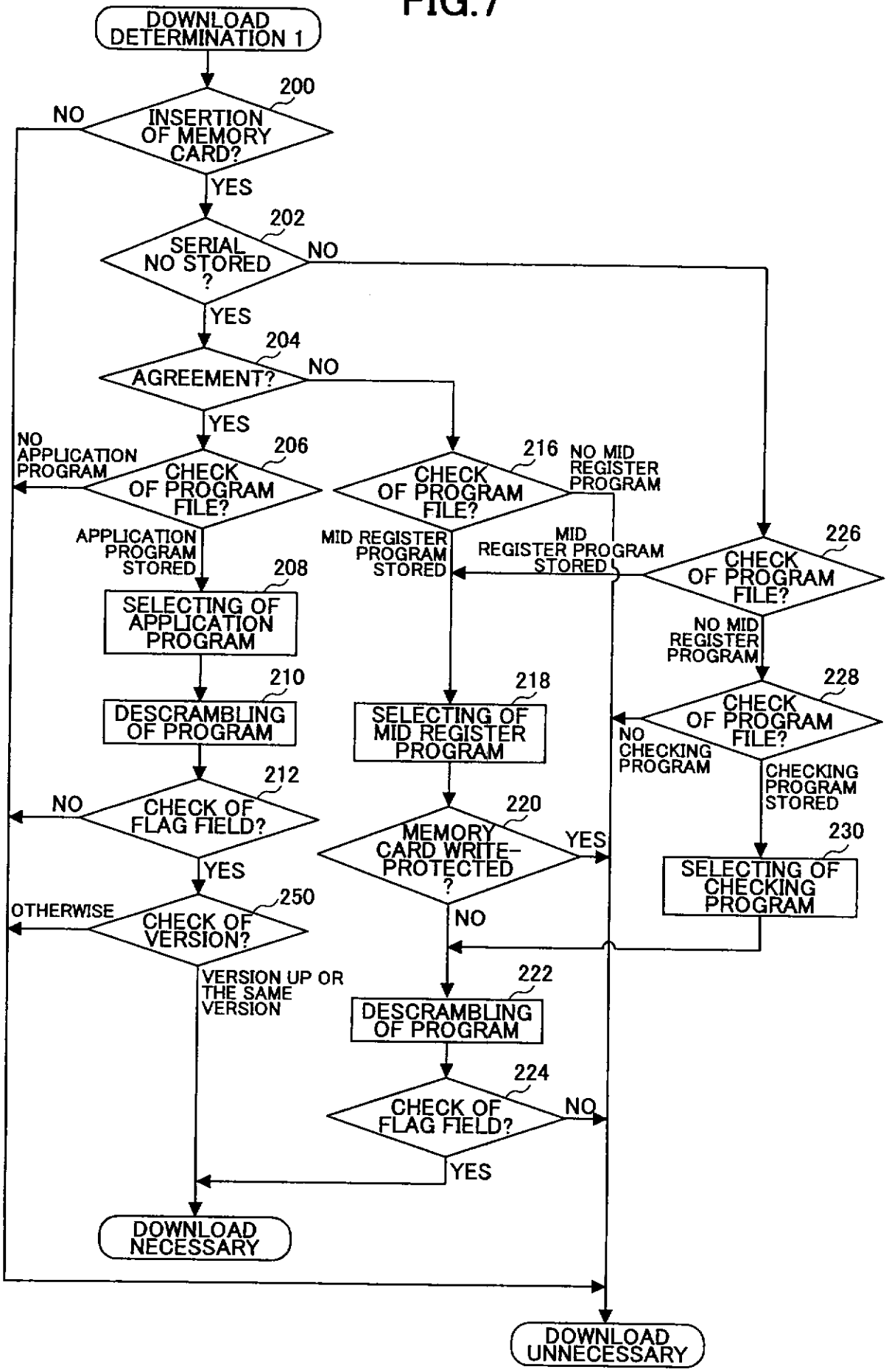
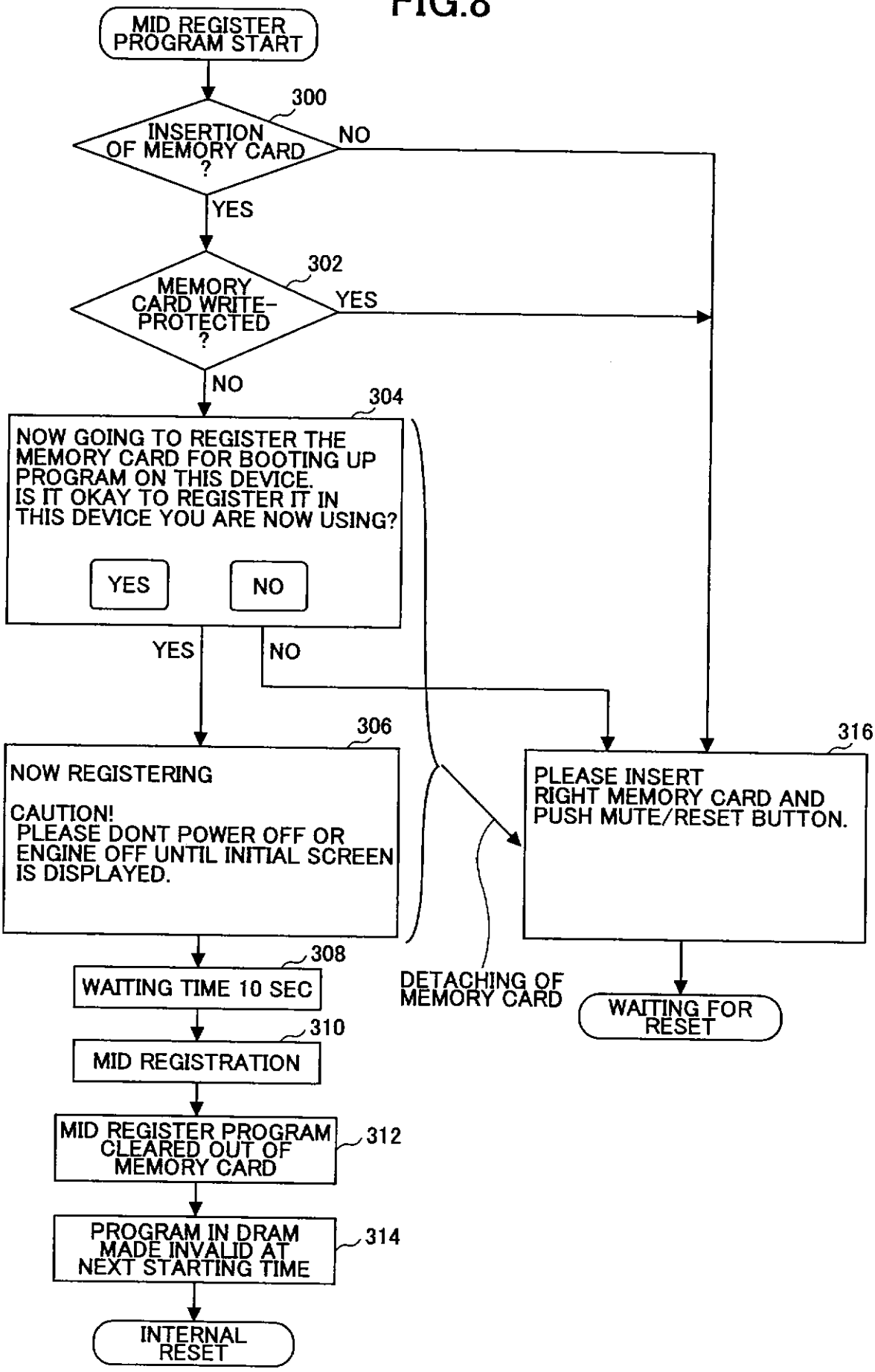

DOWNLOAD DETERMINATION 1
200
INSERTION OF MEMORY CARD?
NO
YES
202
SERIAL NO STORED ?
NO
YES
204
AGREEMENT?
NO
YES
NO APPLICATION PROGRAM
206
CHECK OF PROGRAM FILE?
APPLICATION PROGRAM STORED
208
SELECTING OF APPLICATION PROGRAM
210
DESCRAMBLING OF PROGRAM
212
CHECK OF FLAG FIELD?
NO
YES
OTHERWISE
250
CHECK OF VERSION?
VERSION UP OR THE SAME VERSION
DOWNLOAD NECESSARY
216
CHECK OF PROGRAM FILE?
NO MID REGISTER PROGRAM
MID REGISTER PROGRAM STORED
MID REGISTER PROGRAM STORED
218
SELECTING OF MID REGISTER PROGRAM
220
MEMORY CARD WRITE-PROTECTED ?
YES
NO
222
DESCRAMBLING OF PROGRAM
224
CHECK OF FLAG FIELD?
NO
YES
226
CHECK OF PROGRAM FILE?
NO MID REGISTER PROGRAM
228
CHECK OF PROGRAM FILE?
NO CHECKING PROGRAM
CHECKING PROGRAM STORED
230
SELECTING OF CHECKING PROGRAM
DOWNLOAD UNNECESSARY

FIG.8


MID REGISTER PROGRAM START
300
INSERTION OF MEMORY CARD ?
NO
YES
302
MEMORY CARD WRITE-PROTECTED ?
YES
NO
304
NOW GOING TO REGISTER THE MEMORY CARD FOR BOOTING UP PROGRAM ON THIS DEVICE.
IS IT OKAY TO REGISTER IT IN THIS DEVICE YOU ARE NOW USING?
YES
NO
YES
NO
306
NOW REGISTERING
CAUTION!
PLEASE DONT POWER OFF OR ENGINE OFF UNTIL INITIAL SCREEN IS DISPLAYED.
316
PLEASE INSERT RIGHT MEMORY CARD AND PUSH MUTE/RESET BUTTON.
DETACHING OF MEMORY CARD
WAITING FOR RESET
308
WAITING TIME 10 SEC
310
MID REGISTRATION
MID REGISTER PROGRAM CLEARED OUT OF MEMORY CARD
312
PROGRAM IN DRAM MADE INVALID AT NEXT STARTING TIME
314
INTERNAL RESET