FIG. 1

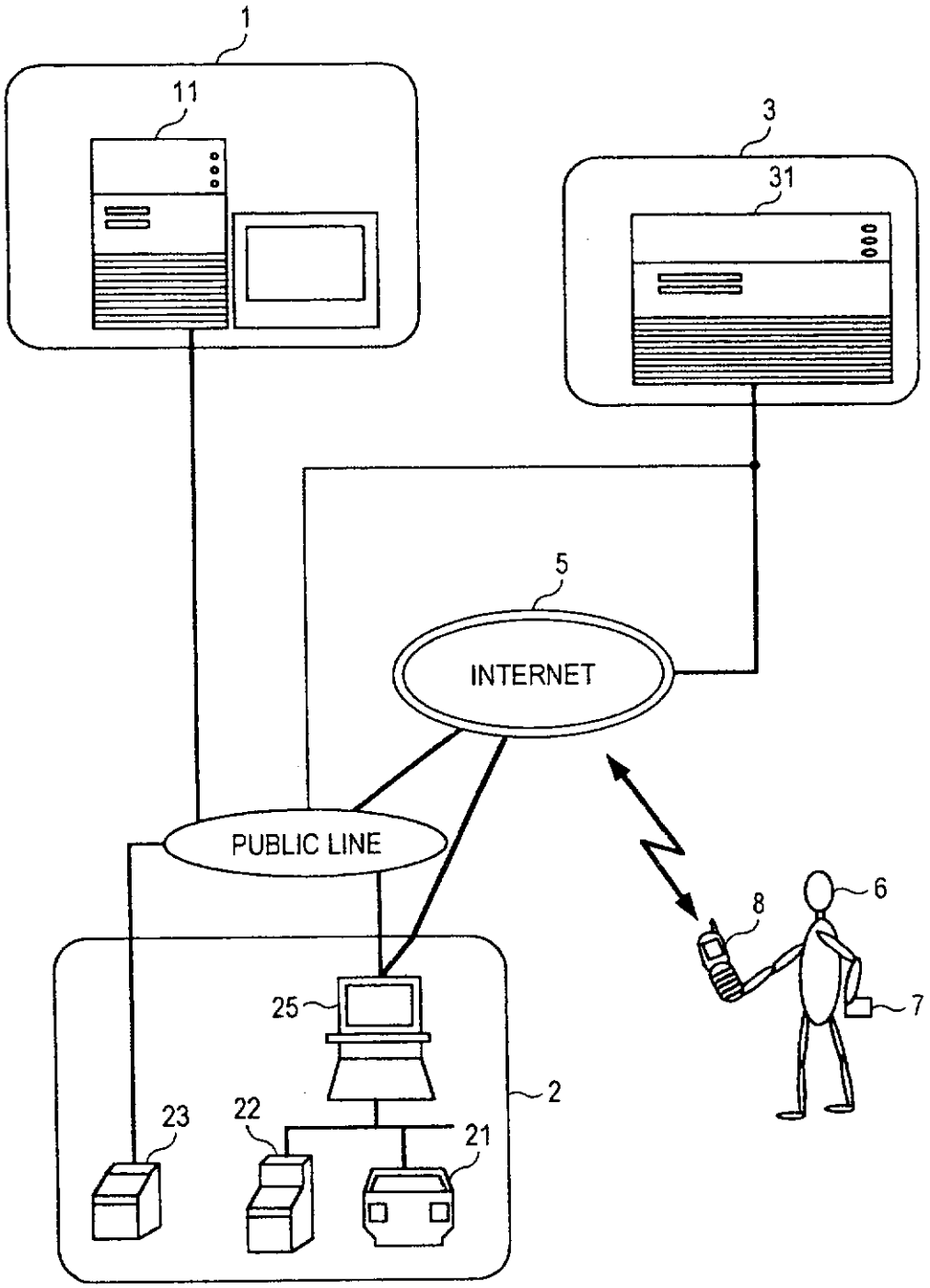


FIG. 2

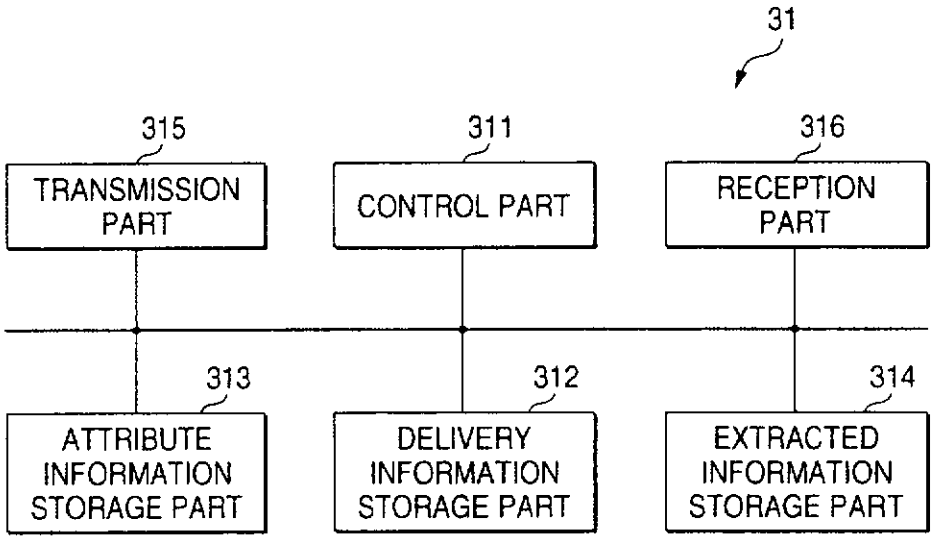

31
315
TRANSMISSION PART
311
CONTROL PART
316
RECEPTION PART
313
ATTRIBUTE INFORMATION STORAGE PART
312
DELIVERY INFORMATION STORAGE PART
314
EXTRACTED INFORMATION STORAGE PART

FIG. 3

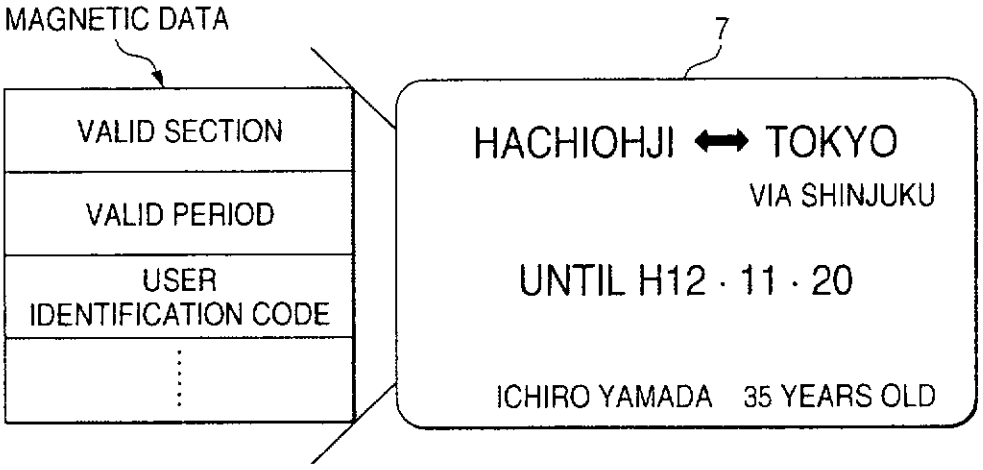

MAGNETIC DATA
7
VALID SECTION
VALID PERIOD
USER IDENTIFICATION CODE
HACHIOHJI ⟷ TOKYO
VIA SHINJUKU
UNTIL H12 · 11 · 20
ICHIRO YAMADA 35 YEARS OLD

FIG. 4

ATTRIBUTE INFORMATION

USER IDENTIFICATION CODE	123456789	147258369	147259000	.....
PRESENCE OF DESIRE FOR DELIVERY	DESIRE FOR DELIVER	DESIRE FOR DELIVER	DESIRE FOR DELIVER	.....
NAME	ICHIRO YAMADA	HANAKO SUZUKI	SUSUMU SATO	.....
AGE	35	20	18	.....
GENDER	MALE	FEMALE	MALE	.....
OCCUPATION	BUSINESSMAN	STUDENT	STUDENT	.....
TYPE OF DELIVERY INFORMATION DESIRED	SPORTS · MOVIE	FASHION · MUSIC	SIDE JOB · RESTAURANT	.....
DELIVERY INFORMATION NOT DESIRED	AAA STORE	BBB STORE	NOTHING	.....
TIMETABLE	UNNECESSARY	NECESSARY	NECESSARY	.....
DELAY GUIDE	UNNECESSARY	NECESSARY	UNNECESSARY	.....
MAIL ADDRESS	yamada@abc.ne.jpn	suzuki@abc.ne.jpn	sato@abc.ne.jpn	.....
DESIRED AT THE TIME OF GETTING ON	DESIRED	DESIRED	DESIRED	.....
DESIRED AT THE TIME OF GETTING OFF	DESIRED	NOT DESIRED	DESIRED	.....
BOARDING SECTION	HACHIOHJI-TOKYO VIA SHINJUKU	ODAWARA-SHINJUKU	YAKOHAMA-SHIBUYA	.....
HOME TELEPHONE NUMBER	03-3333-1234	045-2564-1245	045-3254-1745	.....
BUSINESS TELEPHONE NUMBER	03-3789-1234	03-3257-1547	03-5426-4697	.....
MEMBER	XXX MEMBER	–	–	.....
⋮	⋮	⋮	⋮	⋮

FIG. 5A

DELIVERY CONDITION OF DELIVERY INFORMATION	FEMALE	20-29 YEARS OLD	USER PASSING THROUGH SHINJUKU STATION	VALID PERIOD 2000/9/1 - 2000/10/31

FIG. 5B

DELIVERY INFORMATION	DELIVERY INFORMATION NUMBER: K0001

UNTIL TODAY 18:00 - 20:00
SHAMPOO · RINSE FAIR IS OPEN!!
WE HAVE LOVELY SOUVENIR AND ARE WAITING FOR YOU.

SOUTHRTN ENTRANCE OF SHINJUKU STATION ABC STORE
PHONE: 03-3256-9875
URL: xxx@abc.ne.jp

FIG. 6

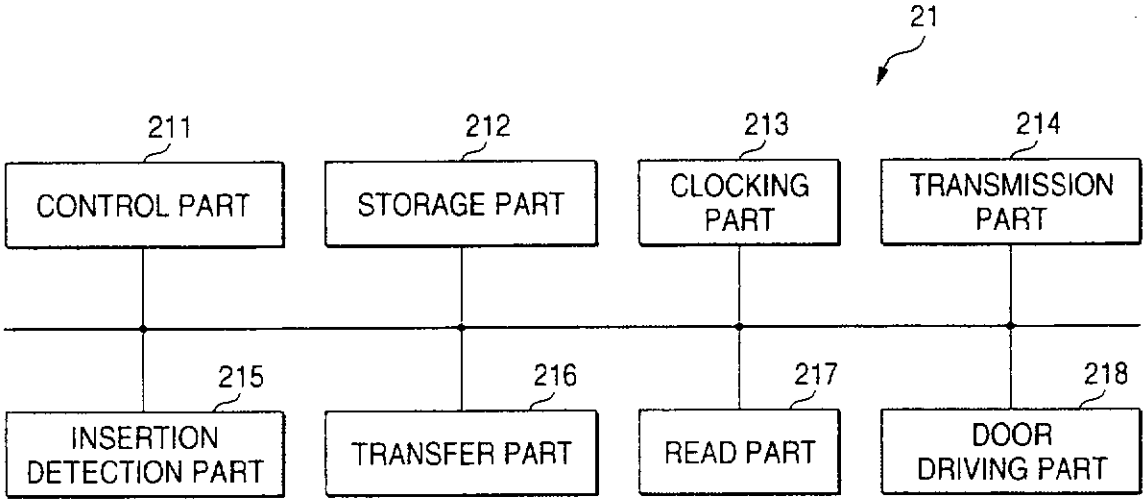

21
211
CONTROL PART
212
STORAGE PART
213
CLOCKING PART
214
TRANSMISSION PART
215
INSERTION DETECTION PART
216
TRANSFER PART
217
READ PART
218
DOOR DRIVING PART

FIG. 7

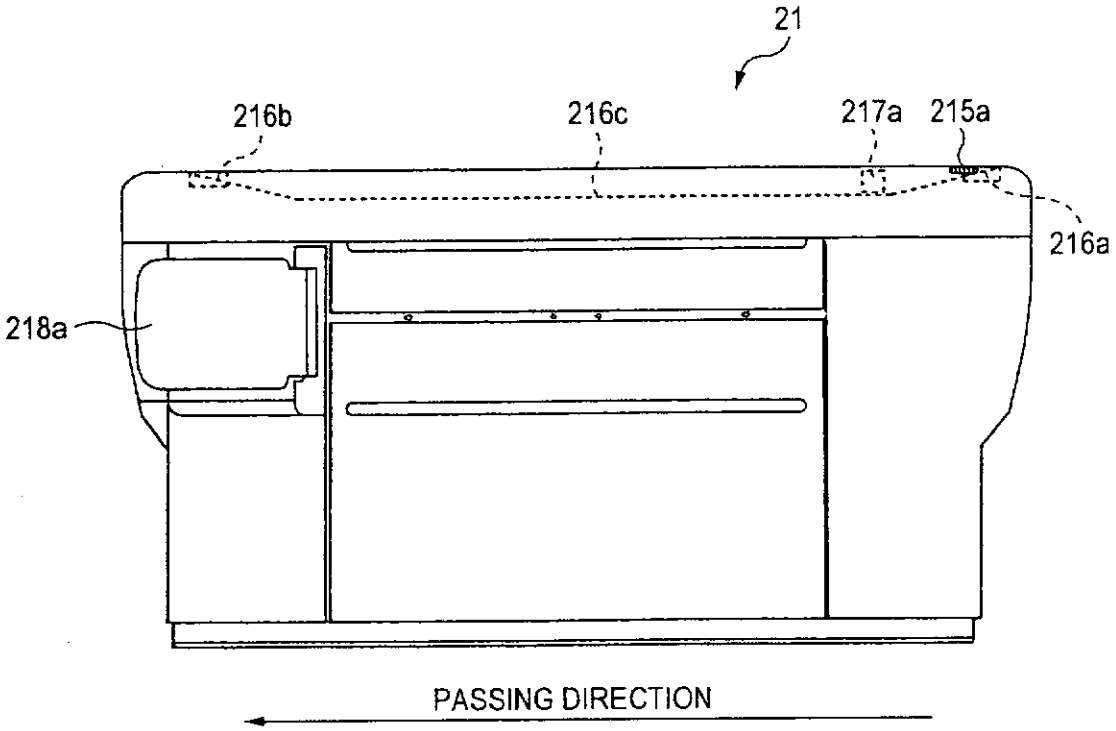


FIG. 8

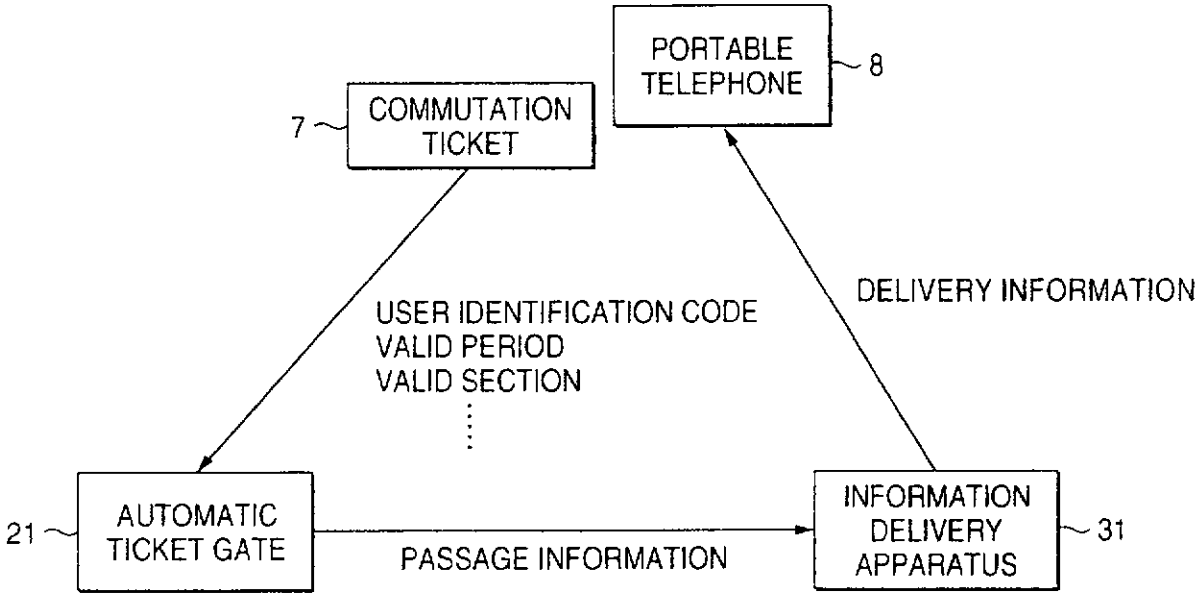

PORTABLE TELEPHONE
8
7
COMMUTATION TICKET
USER IDENTIFICATION CODE
VALID PERIOD
VALID SECTION
DELIVERY INFORMATION
21
AUTOMATIC TICKET GATE
PASSAGE INFORMATION
INFORMATION DELIVERY APPARATUS
31

FIG. 9

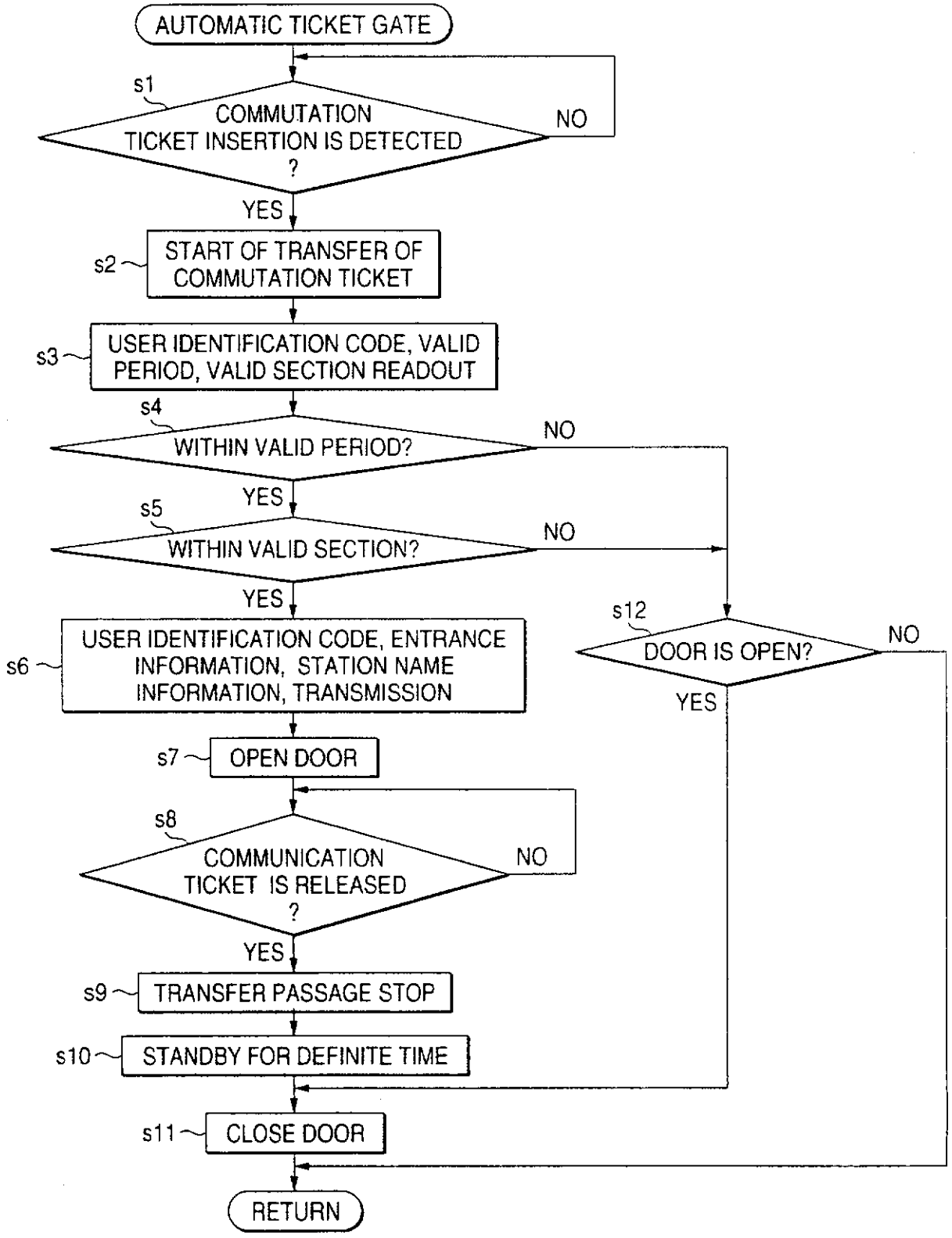

AUTOMATIC TICKET GATE
s1
COMMUTATION TICKET INSERTION IS DETECTED ?
NO
YES
s2
START OF TRANSFER OF COMMUTATION TICKET
s3
USER IDENTIFICATION CODE, VALID PERIOD, VALID SECTION READOUT
s4
WITHIN VALID PERIOD?
NO
YES
s5
WITHIN VALID SECTION?
NO
YES
s6
USER IDENTIFICATION CODE, ENTRANCE INFORMATION, STATION NAME INFORMATION, TRANSMISSION
s7
OPEN DOOR
s8
COMMUNICATION TICKET IS RELEASED ?
NO
YES
s9
TRANSFER PASSAGE STOP
s10
STANDBY FOR DEFINITE TIME
s11
CLOSE DOOR
RETURN
s12
DOOR IS OPEN?
NO
YES

FIG. 10

PASSAGE INFORMATION

USER IDENTIFICATION CODE	VALID PERIOD	VALID SECTION	GATE CODE	PASSAGE TIME	ENTRANCE/ EXIT
147528369	12/9/26 - 12/10/25	SHINJUKU-TOKYO	s1562478	19:14	ENTRANCE

FIG. 11

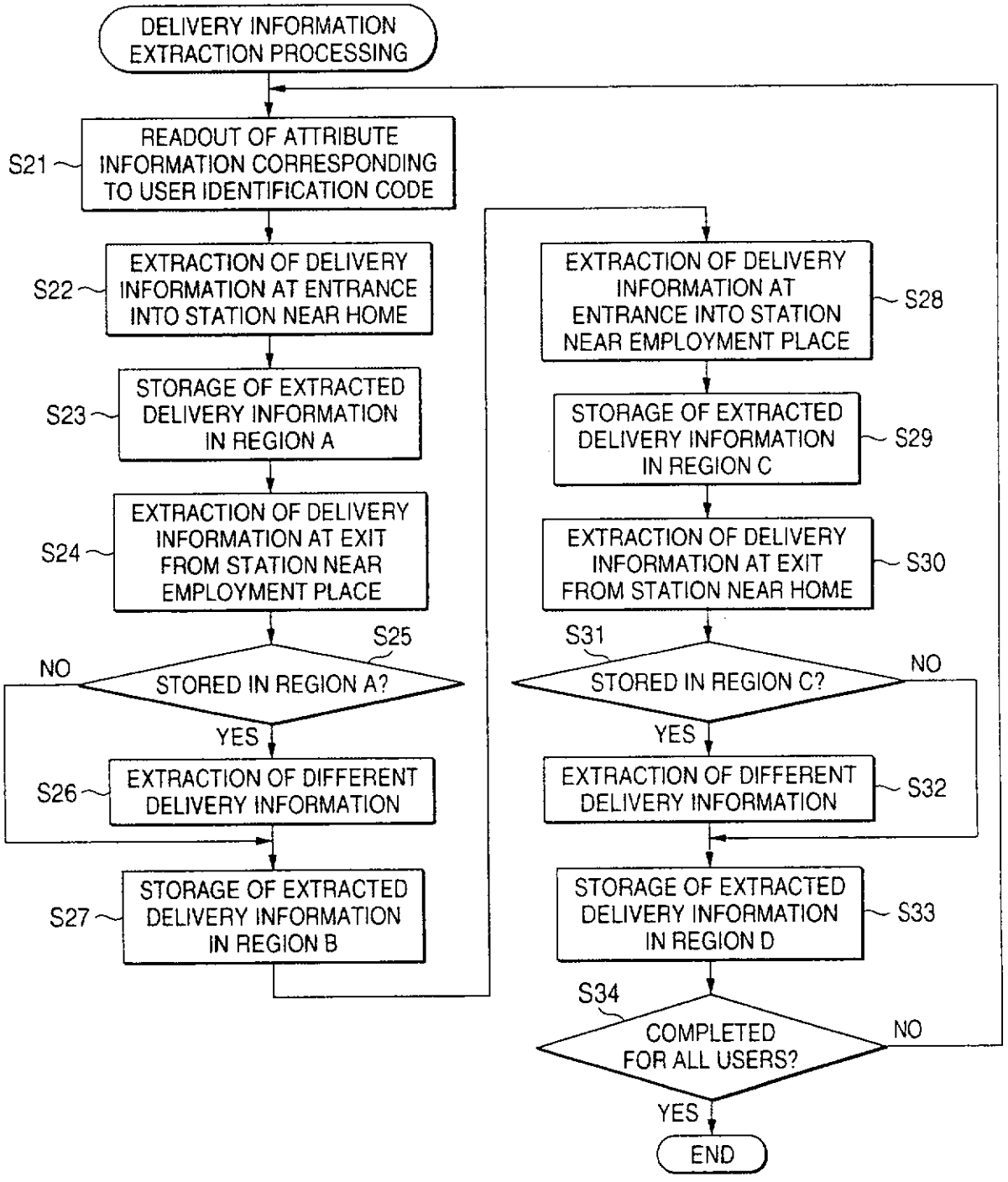

DELIVERY INFORMATION EXTRACTION PROCESSING
S21
READOUT OF ATTRIBUTE INFORMATION CORRESPONDING TO USER IDENTIFICATION CODE
S22
EXTRACTION OF DELIVERY INFORMATION AT ENTRANCE INTO STATION NEAR HOME
S23
STORAGE OF EXTRACTED DELIVERY INFORMATION IN REGION A
S24
EXTRACTION OF DELIVERY INFORMATION AT EXIT FROM STATION NEAR EMPLOYMENT PLACE
S25
STORED IN REGION A?
NO
YES
S26
EXTRACTION OF DIFFERENT DELIVERY INFORMATION
S27
STORAGE OF EXTRACTED DELIVERY INFORMATION IN REGION B
S28
EXTRACTION OF DELIVERY INFORMATION AT ENTRANCE INTO STATION NEAR EMPLOYMENT PLACE
S29
STORAGE OF EXTRACTED DELIVERY INFORMATION IN REGION C
S30
EXTRACTION OF DELIVERY INFORMATION AT EXIT FROM STATION NEAR HOME
S31
STORED IN REGION C?
NO
YES
S32
EXTRACTION OF DIFFERENT DELIVERY INFORMATION
S33
STORAGE OF EXTRACTED DELIVERY INFORMATION IN REGION D
S34
COMPLETED FOR ALL USERS?
NO
YES
END

FIG. 12

USER IDENTIFICATION CODE	123456789	147258369	127259000	
REGION A STATION NEAR HOME ENTRANCE	WEATHER FORECAST OF TOKYO	TRANSMISSION COMPLETED	SIDE JOB INFORMATION OF SHIBUYA	
REGION B STATION NEAR EMPLOYMENT PLACE EXIT	ADVERTISEMENT FROM MOVIE THEATER OF TOKYO	NOTHING	ADVERTISEMENT OF RESTAURANT OF SHIBUYA	
REGION C STATION NEAR EMPLOYMENT PLACE ENTRANCE	ADVERTISEMENT FROM MOVIE THEATER OF HACHIOHJI	LIVE HOUSE INFORMATION OF ODAWARA	BARGAIN SALE INFORMATION OF YOKOHAMA	
REGION D STATION NEAR HOME EXIT	WATCHING INFORMATION OF SPORTS HELD IN HACHIOHJI	NOTHING	TOMORROW WEATHER OF YOKOHAMA AND SHIBUYA	

19 APR 2005

FIG. 13

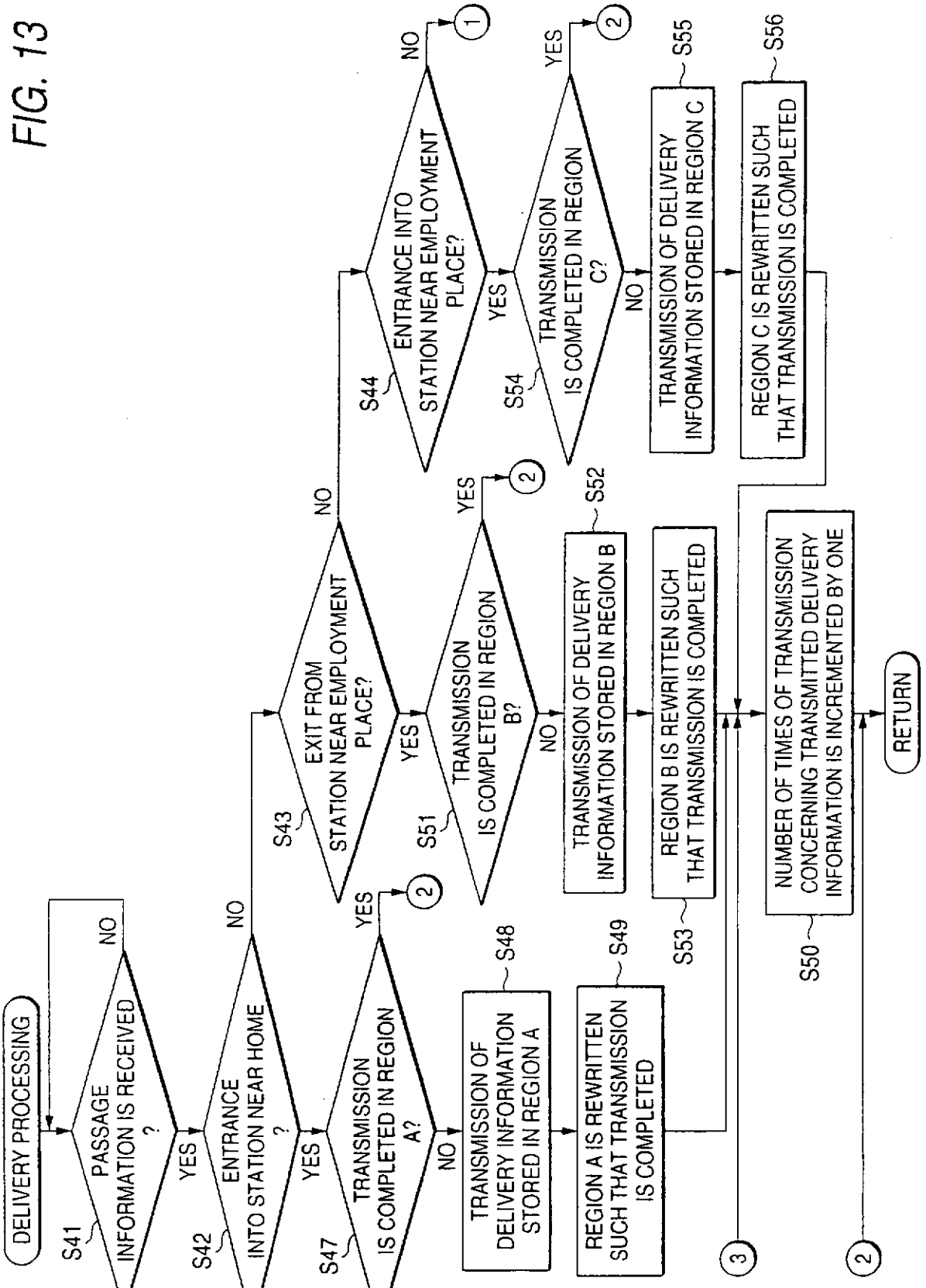

DELIVERY PROCESSING
S41
PASSAGE INFORMATION IS RECEIVED ?
NO
YES
S42
ENTRANCE INTO STATION NEAR HOME ?
NO
YES
S43
EXIT FROM STATION NEAR EMPLOYMENT PLACE?
NO
YES
S44
ENTRANCE INTO STATION NEAR EMPLOYMENT PLACE?
NO
YES
S47
TRANSMISSION IS COMPLETED IN REGION A?
NO
YES
S48
TRANSMISSION OF DELIVERY INFORMATION STORED IN REGION A
S49
REGION A IS REWRITTEN SUCH THAT TRANSMISSION IS COMPLETED
S50
NUMBER OF TIMES OF TRANSMISSION CONCERNING TRANSMITTED DELIVERY INFORMATION IS INCREMENTED BY ONE
S51
TRANSMISSION IS COMPLETED IN REGION B?
NO
YES
S52
TRANSMISSION OF DELIVERY INFORMATION STORED IN REGION B
S53
REGION B IS REWRITTEN SUCH THAT TRANSMISSION IS COMPLETED
S54
TRANSMISSION IS COMPLETED IN REGION C?
NO
YES
S55
TRANSMISSION OF DELIVERY INFORMATION STORED IN REGION C
S56
REGION C IS REWRITTEN SUCH THAT TRANSMISSION IS COMPLETED
RETURN
1
2
3

FIG. 14

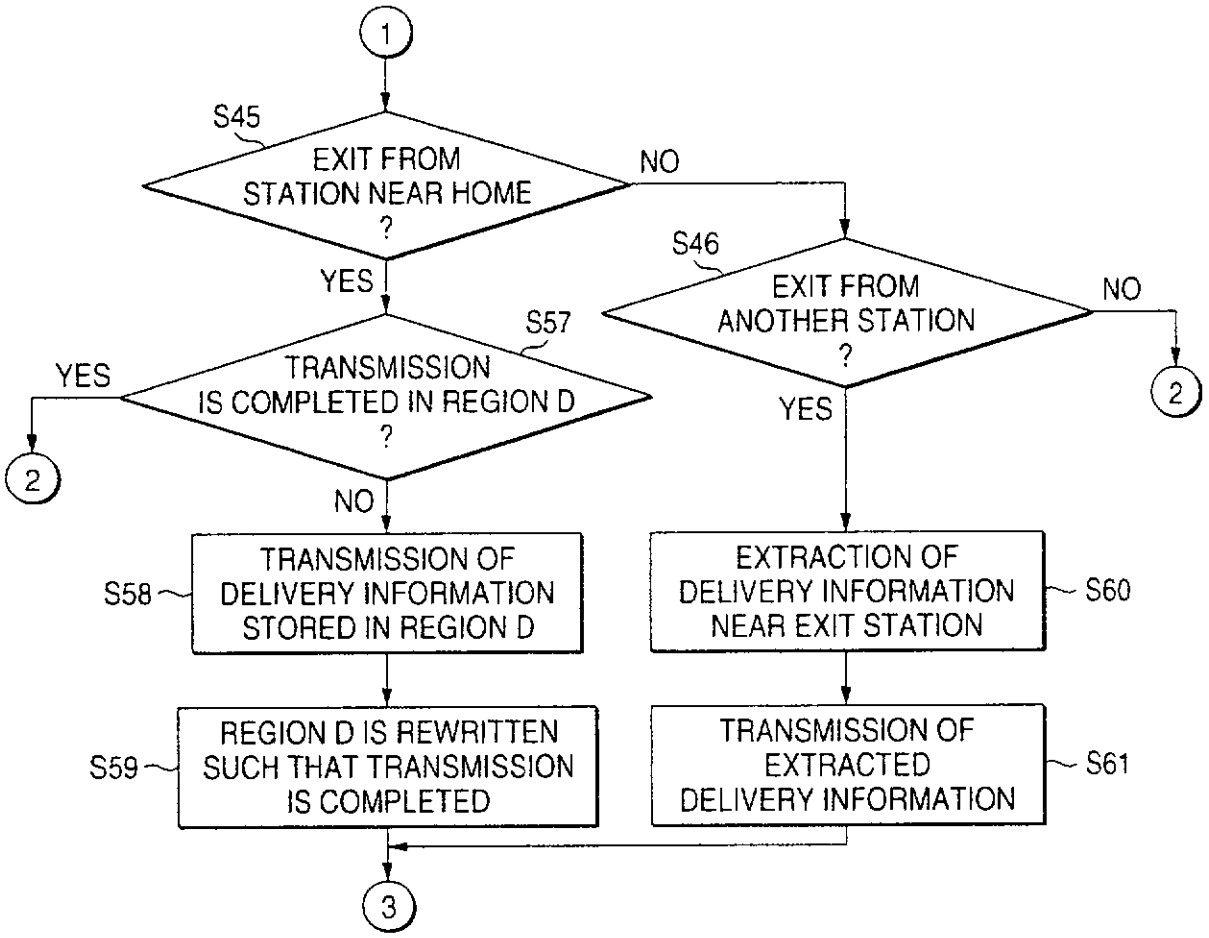

1
S45
EXIT FROM STATION NEAR HOME ?
NO
YES
S46
EXIT FROM ANOTHER STATION ?
NO
YES
2
S57
TRANSMISSION IS COMPLETED IN REGION D ?
YES
2
NO
S58
TRANSMISSION OF DELIVERY INFORMATION STORED IN REGION D
S59
REGION D IS REWRITTEN SUCH THAT TRANSMISSION IS COMPLETED
EXTRACTION OF DELIVERY INFORMATION NEAR EXIT STATION
S60
TRANSMISSION OF EXTRACTED DELIVERY INFORMATION
S61
3

FIG. 15

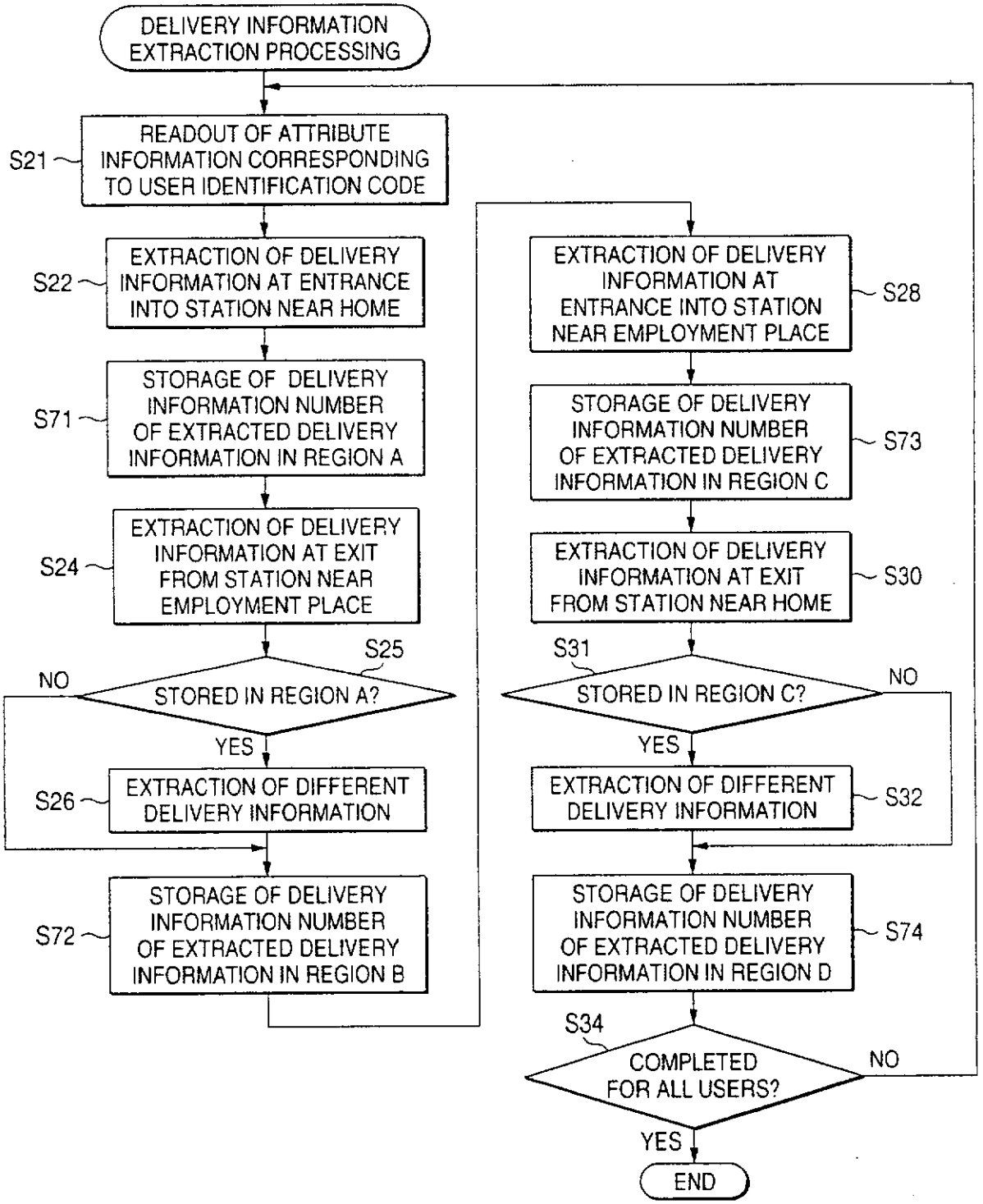

DELIVERY INFORMATION EXTRACTION PROCESSING
S21
READOUT OF ATTRIBUTE INFORMATION CORRESPONDING TO USER IDENTIFICATION CODE
S22
EXTRACTION OF DELIVERY INFORMATION AT ENTRANCE INTO STATION NEAR HOME
S71
STORAGE OF DELIVERY INFORMATION NUMBER OF EXTRACTED DELIVERY INFORMATION IN REGION A
S24
EXTRACTION OF DELIVERY INFORMATION AT EXIT FROM STATION NEAR EMPLOYMENT PLACE
S25
STORED IN REGION A?
NO
YES
S26
EXTRACTION OF DIFFERENT DELIVERY INFORMATION
S72
STORAGE OF DELIVERY INFORMATION NUMBER OF EXTRACTED DELIVERY INFORMATION IN REGION B
S28
EXTRACTION OF DELIVERY INFORMATION AT ENTRANCE INTO STATION NEAR EMPLOYMENT PLACE
S73
STORAGE OF DELIVERY INFORMATION NUMBER OF EXTRACTED DELIVERY INFORMATION IN REGION C
S30
EXTRACTION OF DELIVERY INFORMATION AT EXIT FROM STATION NEAR HOME
S31
STORED IN REGION C?
NO
YES
S32
EXTRACTION OF DIFFERENT DELIVERY INFORMATION
S74
STORAGE OF DELIVERY INFORMATION NUMBER OF EXTRACTED DELIVERY INFORMATION IN REGION D
S34
COMPLETED FOR ALL USERS?
NO
YES
END

FIG. 16

USER IDENTIFICATION CODE	123456789	147258369	127259000	
REGION A STATION NEAR HOME ENTRANCE	K1010	TRANSMISSION COMPLETED	TRANSMISSION COMPLETED	
REGION B STATION NEAR EMPLOYMENT PLACE EXIT	K1051	NOTHING	C2365	
REGION C STATION NEAR EMPLOYMENT PLACE ENTRANCE	S1081	B4620	G7645	
REGION D STATION NEAR HOME EXIT	L3487	NOTHING	F5438	

19 APR 2005

FIG. 17

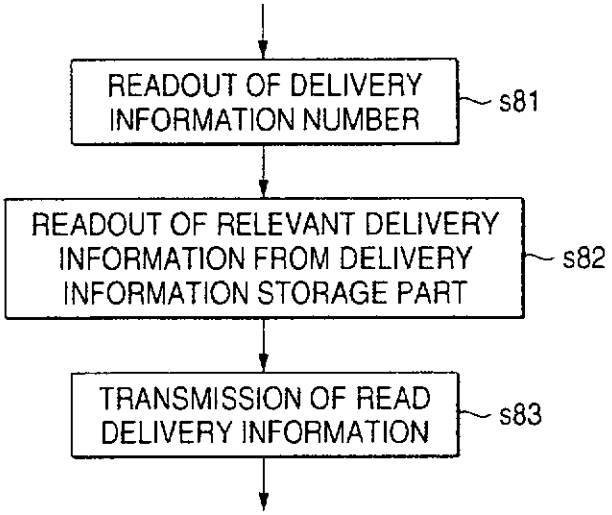

READOUT OF DELIVERY INFORMATION NUMBER
s81
READOUT OF RELEVANT DELIVERY INFORMATION FROM DELIVERY INFORMATION STORAGE PART
s82
TRANSMISSION OF READ DELIVERY INFORMATION
s83

FIG. 18

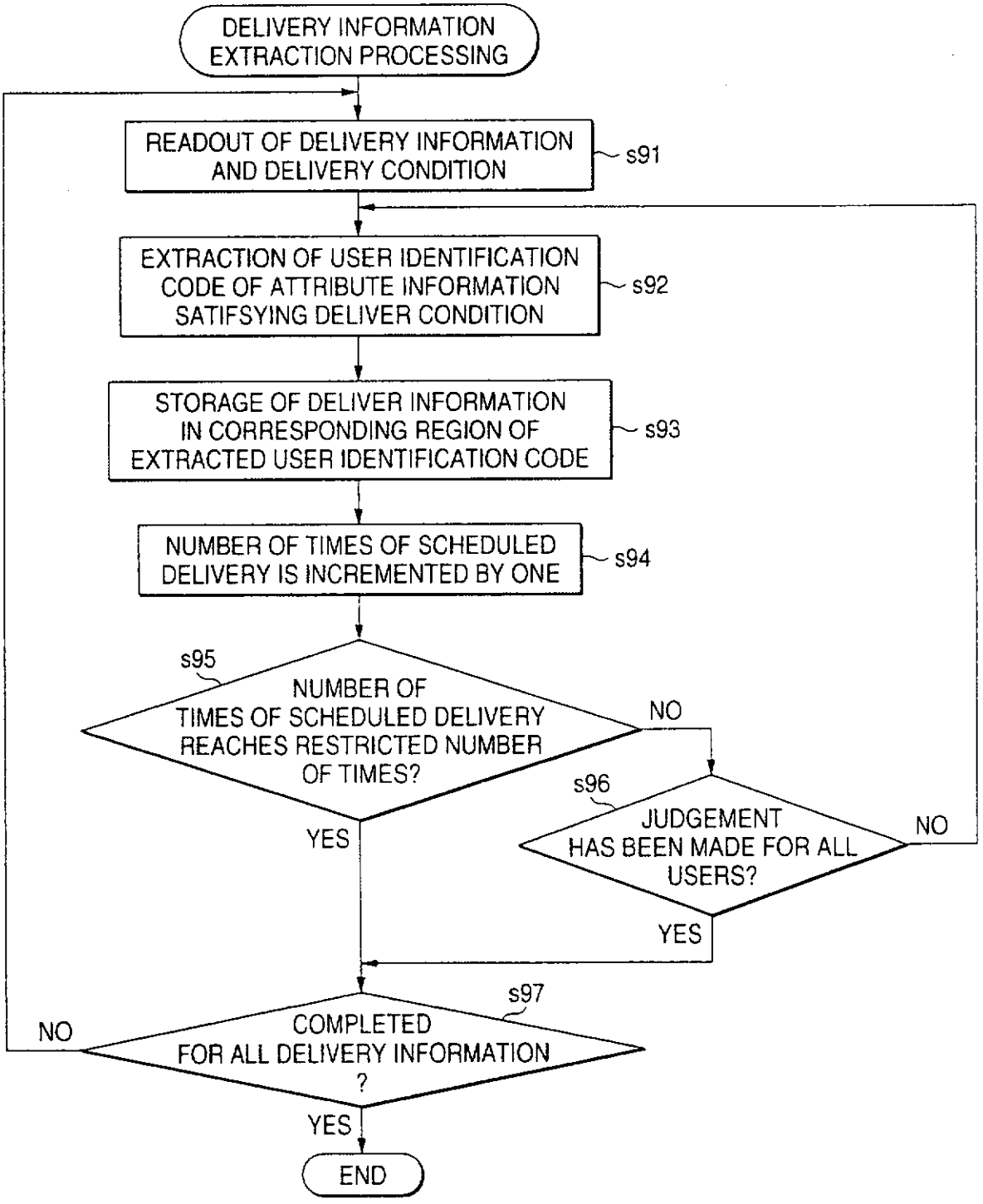

DELIVERY INFORMATION EXTRACTION PROCESSING
READOUT OF DELIVERY INFORMATION AND DELIVERY CONDITION
s91
EXTRACTION OF USER IDENTIFICATION CODE OF ATTRIBUTE INFORMATION SATIFSYING DELIVER CONDITION
s92
STORAGE OF DELIVER INFORMATION IN CORRESPONDING REGION OF EXTRACTED USER IDENTIFICATION CODE
s93
NUMBER OF TIMES OF SCHEDULED DELIVERY IS INCREMENTED BY ONE
s94
s95
NUMBER OF TIMES OF SCHEDULED DELIVERY REACHES RESTRICTED NUMBER OF TIMES?
NO
YES
s96
JUDGEMENT HAS BEEN MADE FOR ALL USERS?
NO
YES
s97
COMPLETED FOR ALL DELIVERY INFORMATION ?
NO
YES
END

FIG. 19

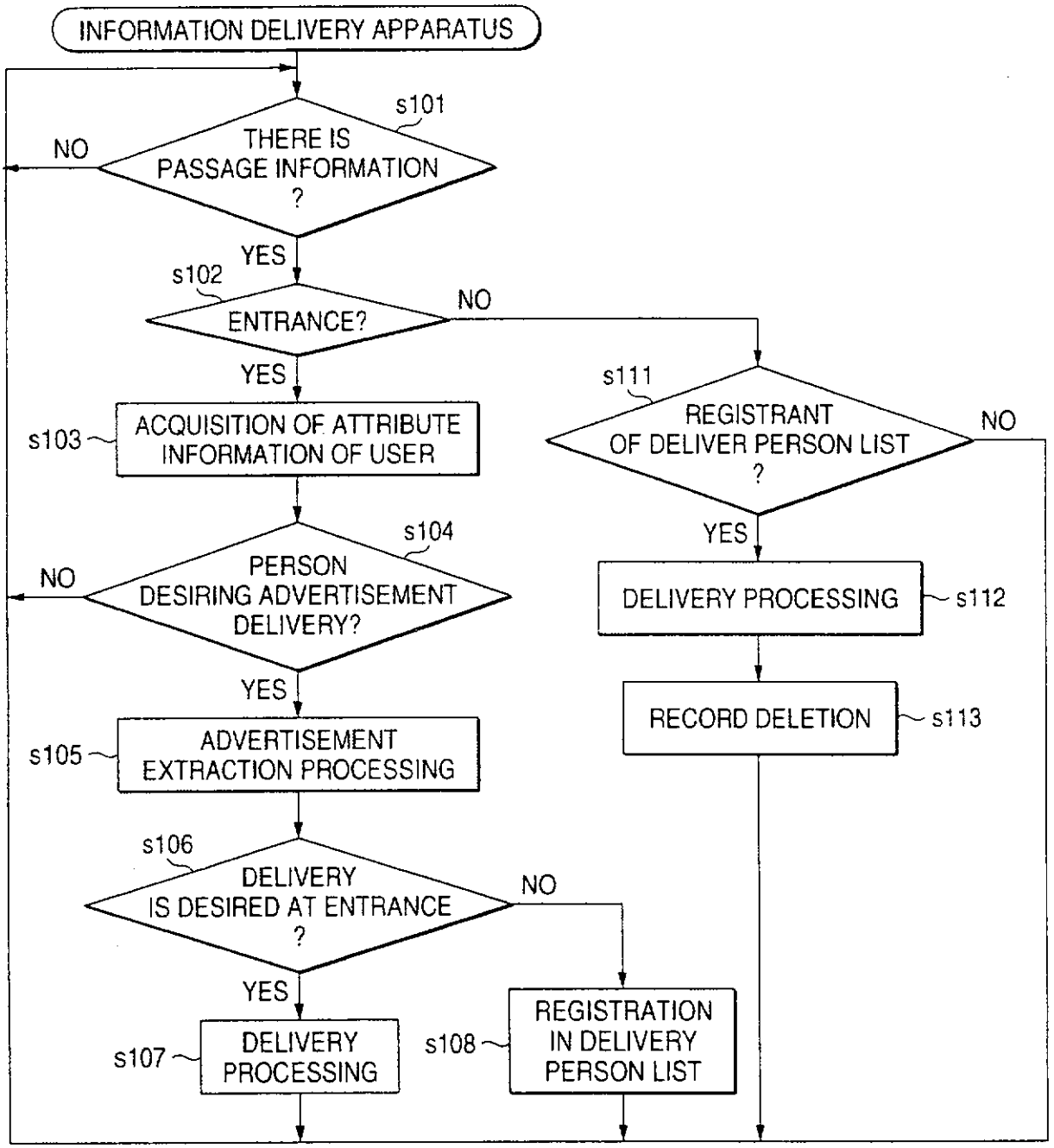

INFORMATION DELIVERY APPARATUS
s101
THERE IS PASSAGE INFORMATION ?
NO
YES
s102
ENTRANCE?
NO
YES
s103
ACQUISITION OF ATTRIBUTE INFORMATION OF USER
s104
PERSON DESIRING ADVERTISEMENT DELIVERY?
NO
YES
s105
ADVERTISEMENT EXTRACTION PROCESSING
s106
DELIVERY IS DESIRED AT ENTRANCE ?
NO
YES
s107
DELIVERY PROCESSING
s108
REGISTRATION IN DELIVERY PERSON LIST
s111
REGISTRANT OF DELIVER PERSON LIST ?
NO
YES
s112
DELIVERY PROCESSING
s113
RECORD DELETION

FIG. 20

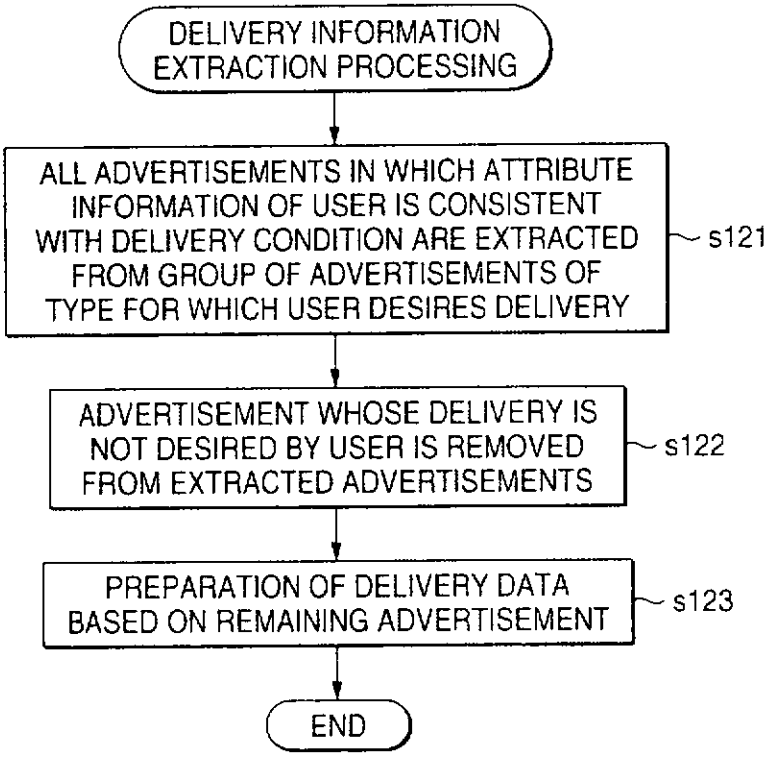

DELIVERY INFORMATION EXTRACTION PROCESSING
ALL ADVERTISEMENTS IN WHICH ATTRIBUTE INFORMATION OF USER IS CONSISTENT WITH DELIVERY CONDITION ARE EXTRACTED FROM GROUP OF ADVERTISEMENTS OF TYPE FOR WHICH USER DESIRES DELIVERY
s121
ADVERTISEMENT WHOSE DELIVERY IS NOT DESIRED BY USER IS REMOVED FROM EXTRACTED ADVERTISEMENTS
s122
PREPARATION OF DELIVERY DATA BASED ON REMAINING ADVERTISEMENT
s123
END

FIG. 21

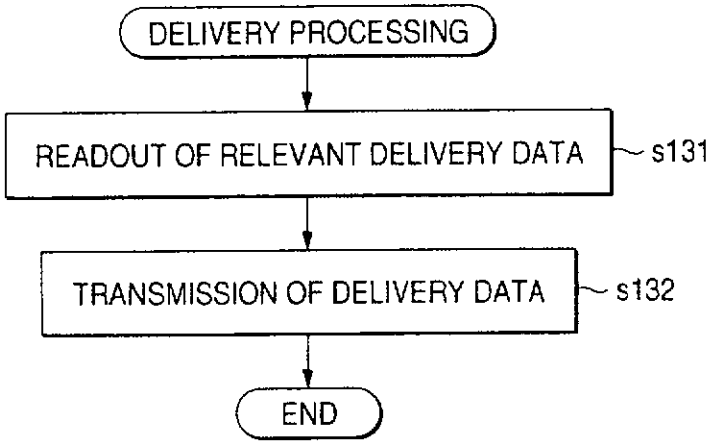

DELIVERY PROCESSING
READOUT OF RELEVANT DELIVERY DATA
s131
TRANSMISSION OF DELIVERY DATA
s132
END

FIG. 22

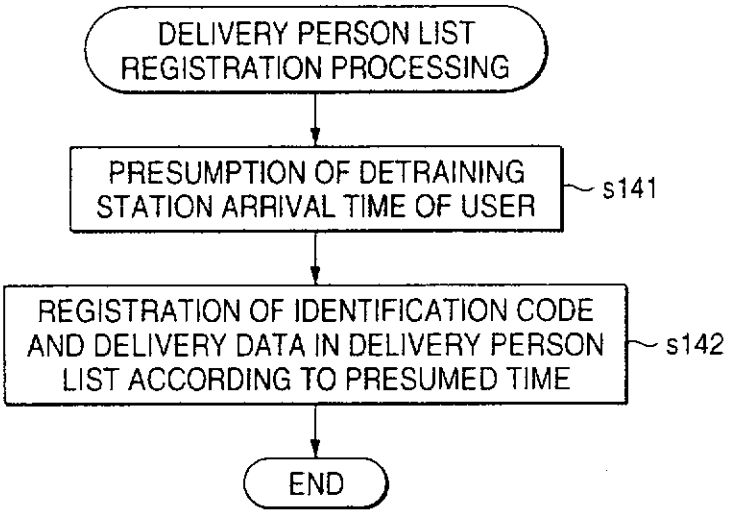

DELIVERY PERSON LIST REGISTRATION PROCESSING
PRESUMPTION OF DETRAINING STATION ARRIVAL TIME OF USER
s141
REGISTRATION OF IDENTIFICATION CODE AND DELIVERY DATA IN DELIVERY PERSON LIST ACCORDING TO PRESUMED TIME
s142
END

FIG. 23A

ARRIVAL ESTIMATED TIME	USER IDENTIFICATION CODE	IDENTIFICATION CODE OF DELIVERY DATA TO BE DELIVERED
08-05	12345678	1111
08-10	34672460	4587
08-12	76549032	5483
⋮	⋮	⋮

FIG. 23B

ARRIVAL ESTIMATED TIME	USER IDENTIFICATION CODE	IDENTIFICATION CODE OF DELIVERY DATA TO BE DELIVERED
08-05	12345678	1111
08-10	34672460	4587
08-11	25680493	5197
08-12	76549032	5483
⋮	⋮	⋮

FIG. 24

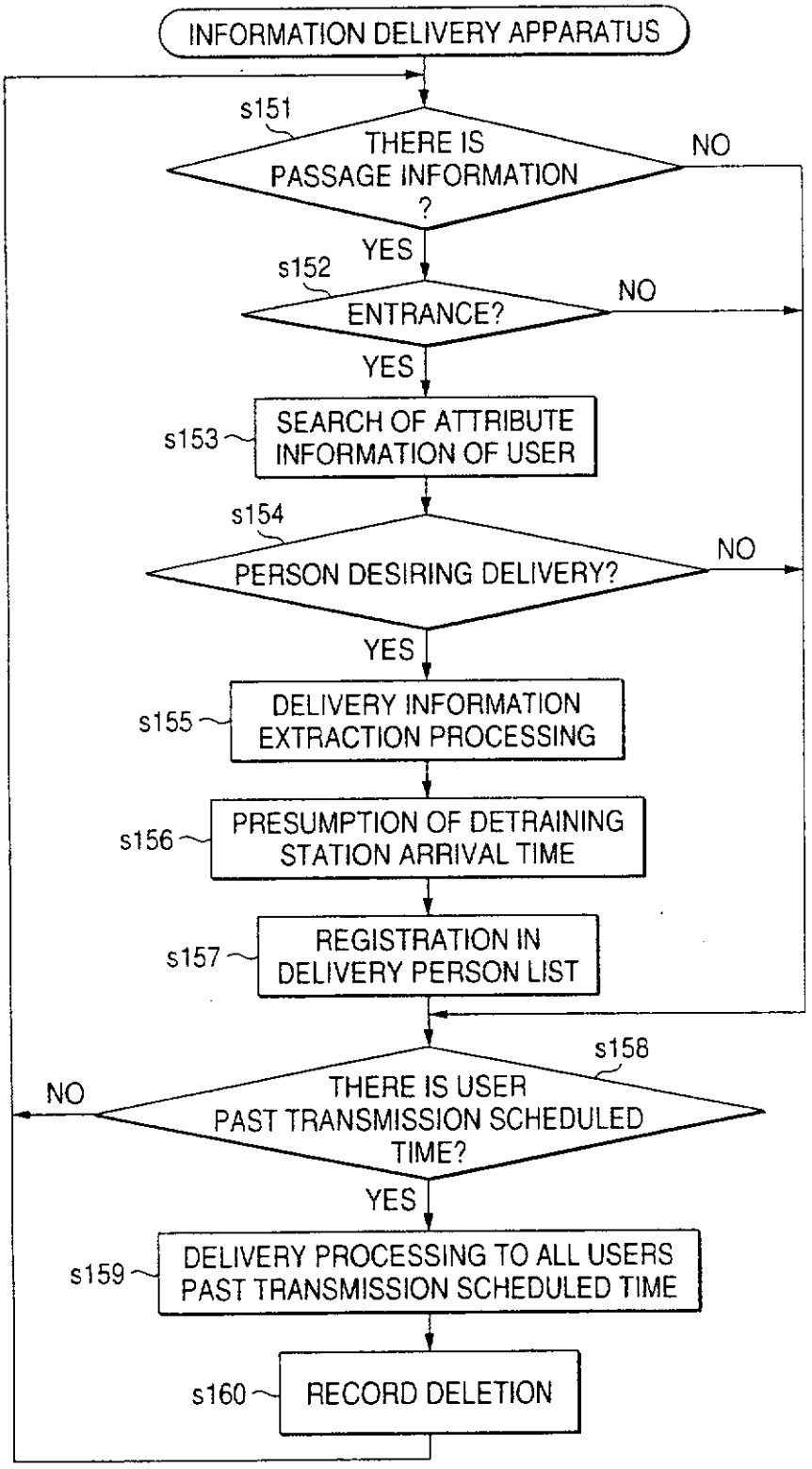

INFORMATION DELIVERY APPARATUS
s151
THERE IS PASSAGE INFORMATION ?
NO
YES
s152
ENTRANCE?
NO
YES
s153
SEARCH OF ATTRIBUTE INFORMATION OF USER
s154
PERSON DESIRING DELIVERY?
NO
YES
s155
DELIVERY INFORMATION EXTRACTION PROCESSING
s156
PRESUMPTION OF DETRAINING STATION ARRIVAL TIME
s157
REGISTRATION IN DELIVERY PERSON LIST
s158
THERE IS USER PAST TRANSMISSION SCHEDULED TIME?
NO
YES
s159
DELIVERY PROCESSING TO ALL USERS PAST TRANSMISSION SCHEDULED TIME
s160
RECORD DELETION

FIG. 25

TRANSMISSION SCHEDULED TIME	USER IDENTIFICATION CODE	IDENTIFICATION CODE OF DELIVERY DATA TO BE DELIVERED
08-05	12345678	1111
08-10	34672460	4587
08-12	76549032	5483
⋮	⋮	⋮

FIG. 26

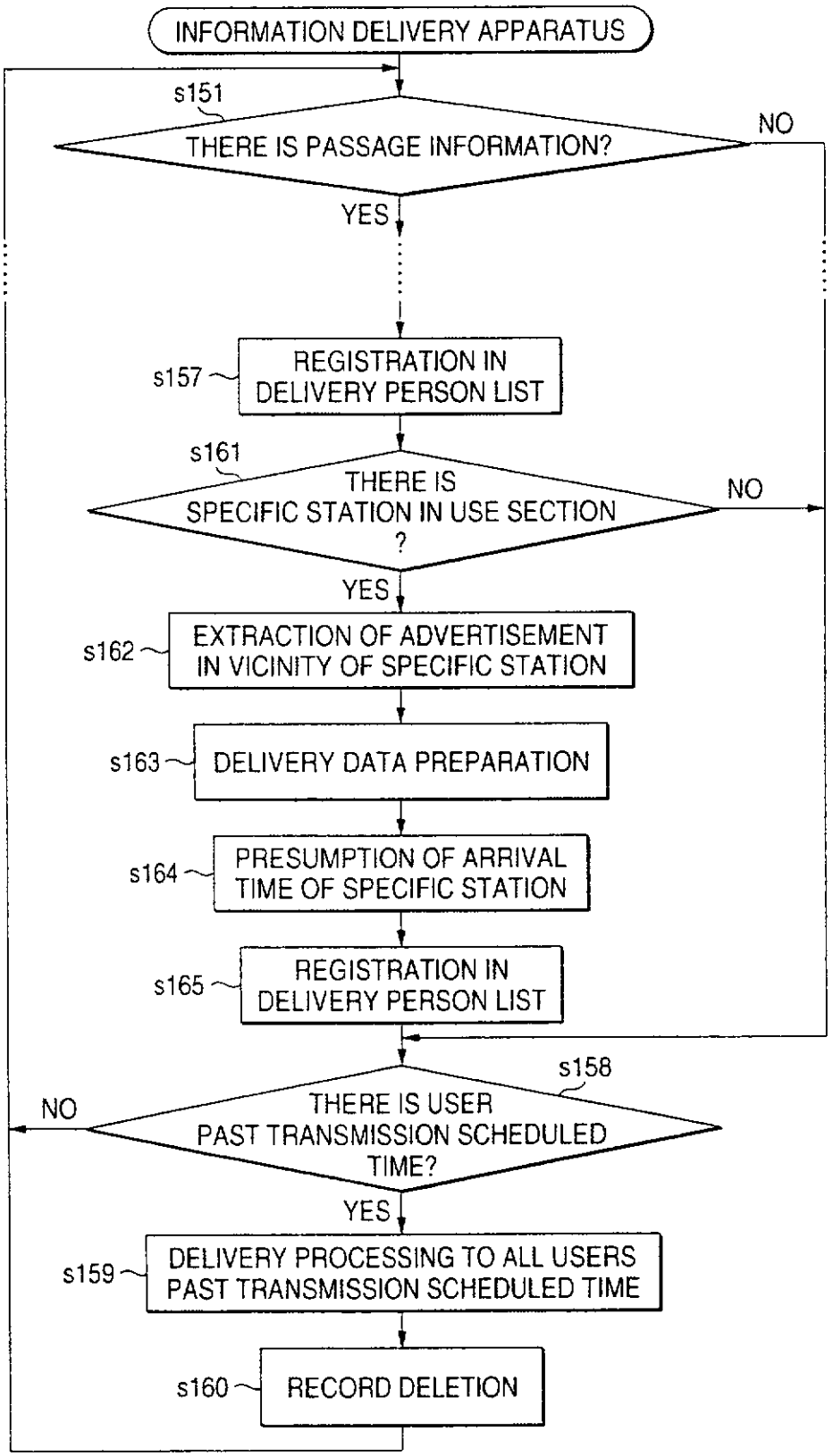

INFORMATION DELIVERY APPARATUS
s151
THERE IS PASSAGE INFORMATION?
NO
YES
s157
REGISTRATION IN DELIVERY PERSON LIST
s161
THERE IS SPECIFIC STATION IN USE SECTION ?
NO
YES
s162
EXTRACTION OF ADVERTISEMENT IN VICINITY OF SPECIFIC STATION
s163
DELIVERY DATA PREPARATION
s164
PRESUMPTION OF ARRIVAL TIME OF SPECIFIC STATION
s165
REGISTRATION IN DELIVERY PERSON LIST
s158
NO
THERE IS USER PAST TRANSMISSION SCHEDULED TIME?
YES
s159
DELIVERY PROCESSING TO ALL USERS PAST TRANSMISSION SCHEDULED TIME
s160
RECORD DELETION

FIG. 27

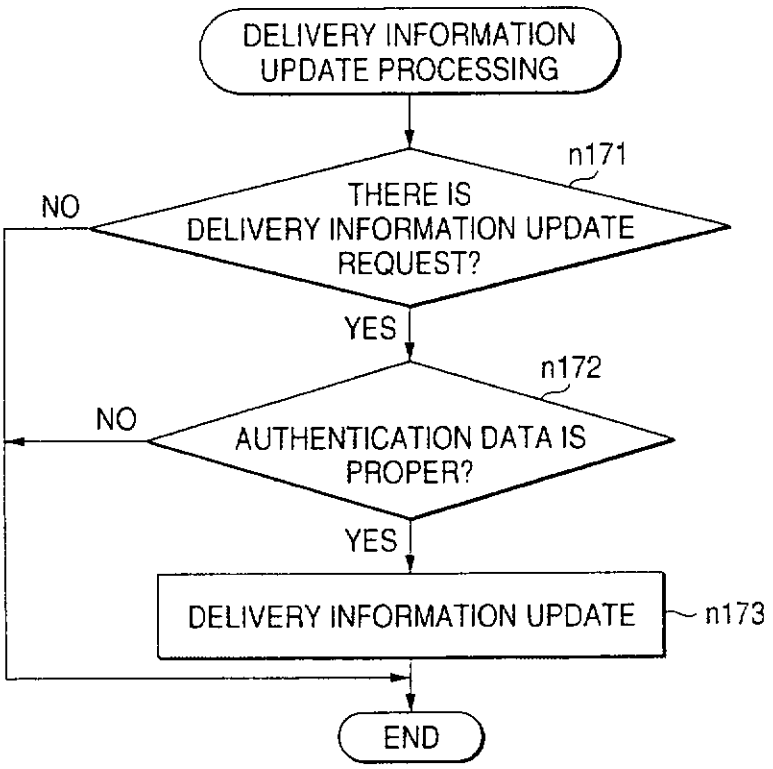

DELIVERY INFORMATION UPDATE PROCESSING
n171
THERE IS DELIVERY INFORMATION UPDATE REQUEST?
NO
YES
n172
AUTHENTICATION DATA IS PROPER?
NO
YES
DELIVERY INFORMATION UPDATE
n173
END

FIG. 28

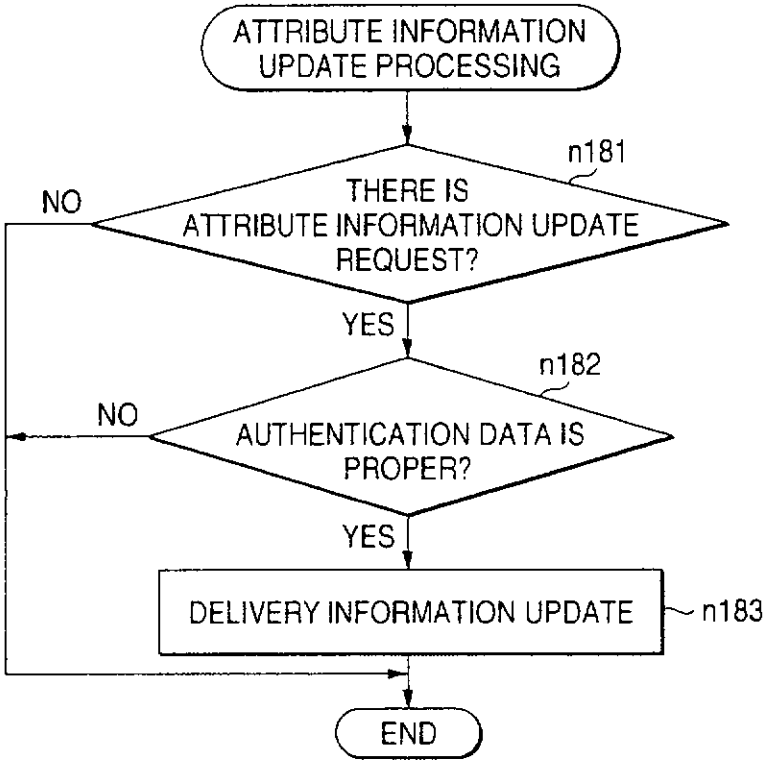

ATTRIBUTE INFORMATION UPDATE PROCESSING
n181
THERE IS ATTRIBUTE INFORMATION UPDATE REQUEST?
NO
YES
n182
AUTHENTICATION DATA IS PROPER?
NO
YES
DELIVERY INFORMATION UPDATE
n183
END

FIG. 29

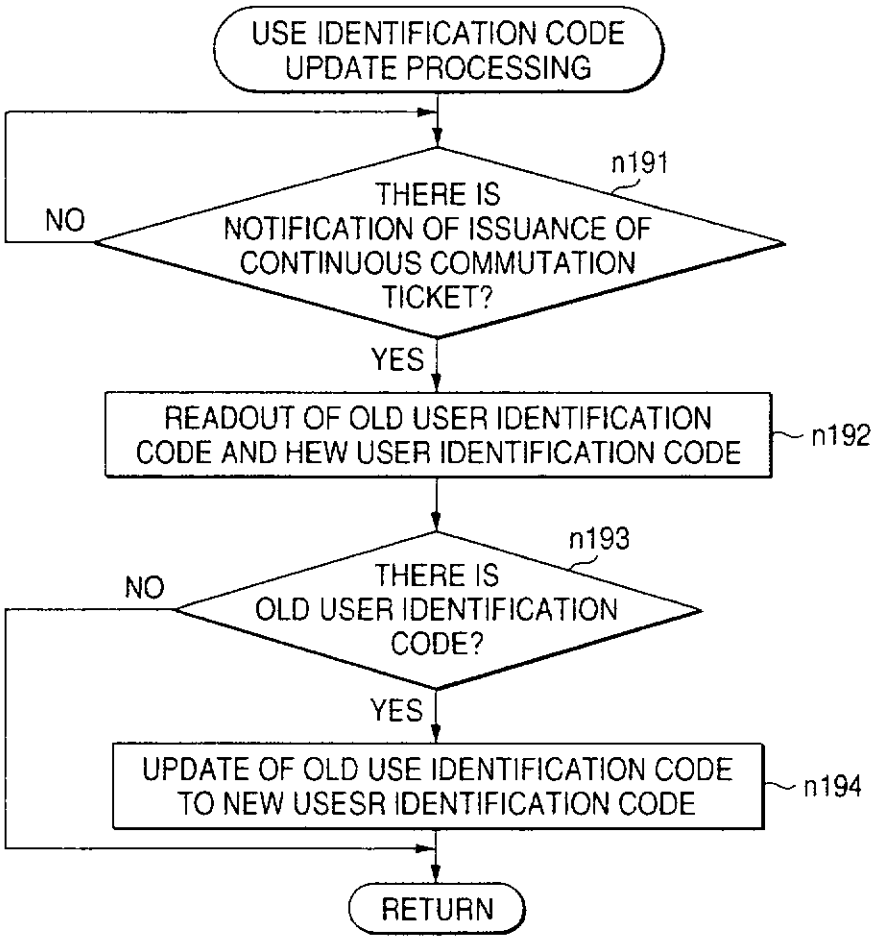
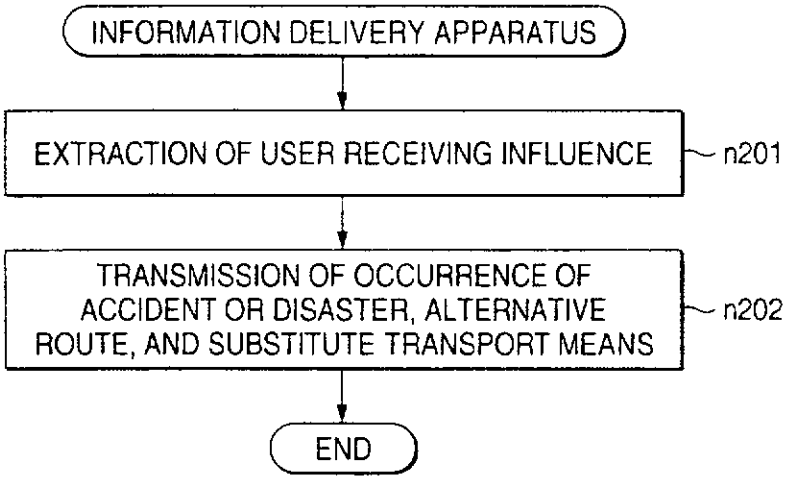

USE IDENTIFICATION CODE UPDATE PROCESSING
n191
THERE IS NOTIFICATION OF ISSUANCE OF CONTINUOUS COMMUTATION TICKET?
NO
YES
READOUT OF OLD USER IDENTIFICATION CODE AND HEW USER IDENTIFICATION CODE
n192
n193
THERE IS OLD USER IDENTIFICATION CODE?
NO
YES
UPDATE OF OLD USE IDENTIFICATION CODE TO NEW USESR IDENTIFICATION CODE
n194
RETURN

FIG. 30


INFORMATION DELIVERY APPARATUS
EXTRACTION OF USER RECEIVING INFLUENCE
n201
TRANSMISSION OF OCCURRENCE OF ACCIDENT OR DISASTER, ALTERNATIVE ROUTE, AND SUBSTITUTE TRANSPORT MEANS
n202
END