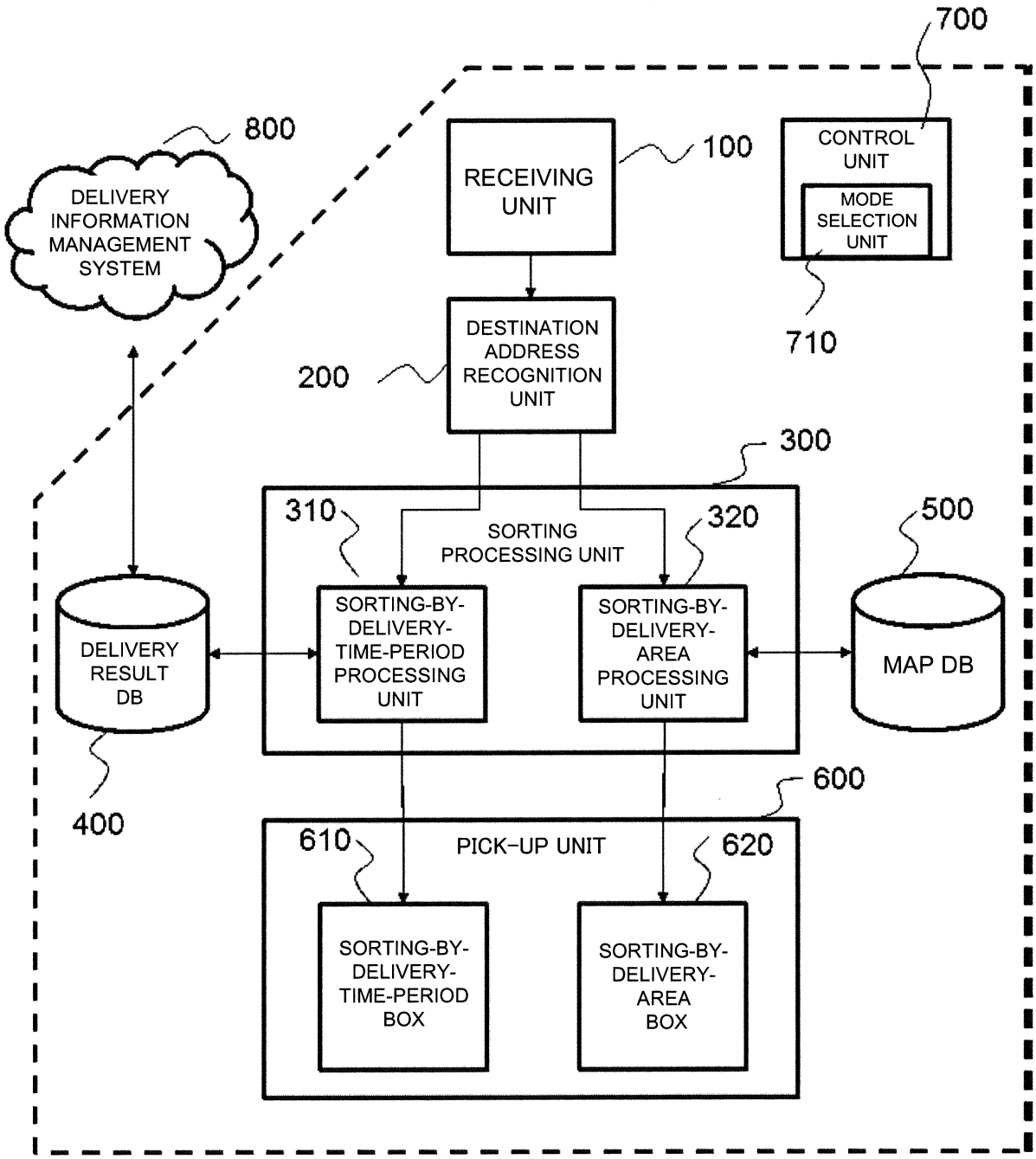

700
800
DELIVERY INFORMATION MANAGEMENT SYSTEM
RECEIVING UNIT
100
CONTROL UNIT
MODE SELECTION UNIT
710
DESTINATION ADDRESS RECOGNITION UNIT
200
300
310
SORTING PROCESSING UNIT
320
500
DELIVERY RESULT DB
SORTING-BY-DELIVERY-TIME-PERIOD PROCESSING UNIT
SORTING-BY-DELIVERY-AREA PROCESSING UNIT
MAP DB
400
600
610
PICK-UP UNIT
620
SORTING-BY-DELIVERY-TIME-PERIOD BOX
SORTING-BY-DELIVERY-AREA BOX

FIG. 1

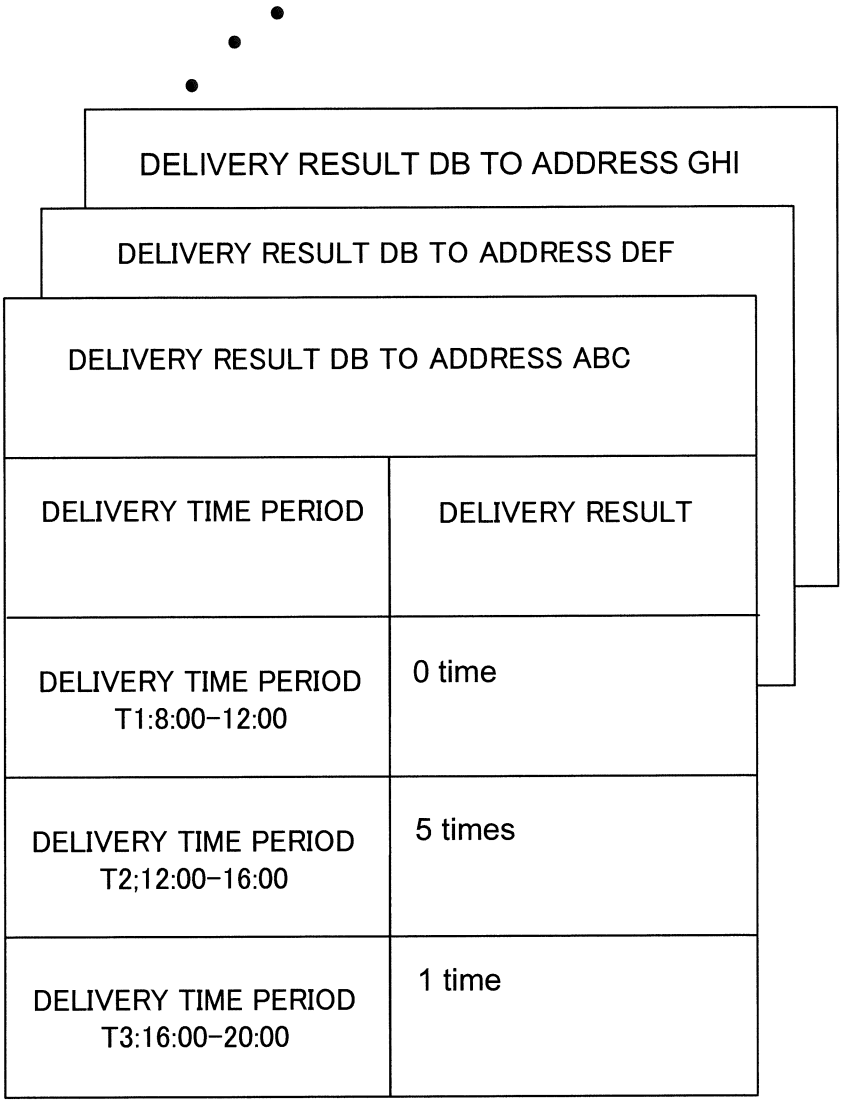

DELIVERY RESULT DB TO ADDRESS GHI
DELIVERY RESULT DB TO ADDRESS DEF
DELIVERY RESULT DB TO ADDRESS ABC
DELIVERY TIME PERIOD
DELIVERY RESULT
DELIVERY TIME PERIOD T1:8:00-12:00
0 time
DELIVERY TIME PERIOD T2;12:00-16:00
5 times
DELIVERY TIME PERIOD T3:16:00-20:00
1 time

FIG. 2

	DELIVERY AREA	ADDRESS	
DELIVERY TARGET REGION	DELIVERY AREA A1	ㅤ105-0023	Shibaura 1-chome, Minato-ku
		ㅤ108-0023	Shibaura 2-chome to 4-chome, Minato-ku
	DELIVERY AREA A2	ㅤ105-0011	Shibaura-Koen, Minato-ku
		ㅤ105-0012	Shibaura-Daimon, Minato-ku
	DELIVERY AREA A3	ㅤ108-0073	Mita, Minato-ku
	DELIVERY AREA A4	ㅤ105-0014	Shiba 1-chome to 3-chome, Minato-ku
		ㅤ108-0014	Shiba 4-chome to 5-chome, Minato-ku

FIG. 3

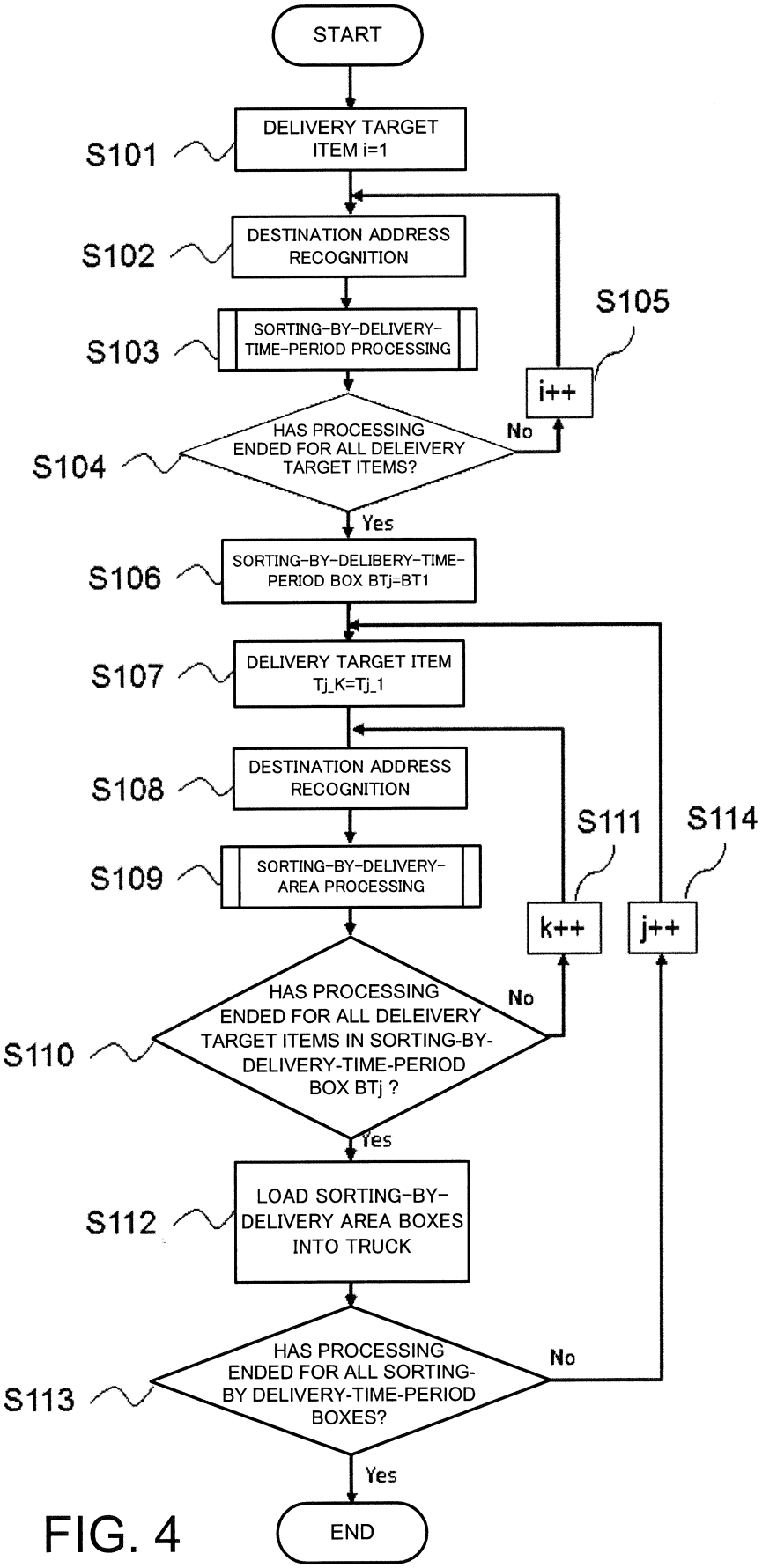

START
S101
DELIVERY TARGET ITEM i=1
S102
DESTINATION ADDRESS RECOGNITION
S103
SORTING-BY-DELIVERY-TIME-PERIOD PROCESSING
S104
HAS PROCESSING ENDED FOR ALL DELEIVERY TARGET ITEMS?
No
S105
i++
Yes
S106
SORTING-BY-DELIBERY-TIME-PERIOD BOX BTj=BT1
S107
DELIVERY TARGET ITEM Tj_K=Tj_1
S108
DESTINATION ADDRESS RECOGNITION
S109
SORTING-BY-DELIVERY-AREA PROCESSING
S110
HAS PROCESSING ENDED FOR ALL DELEIVERY TARGET ITEMS IN SORTING-BY-DELIVERY-TIME-PERIOD BOX BTj ?
No
S111
k++
Yes
S112
LOAD SORTING-BY-DELIVERY AREA BOXES INTO TRUCK
S113
HAS PROCESSING ENDED FOR ALL SORTING-BY DELIVERY-TIME-PERIOD BOXES?
No
S114
j++
Yes
END

FIG. 4

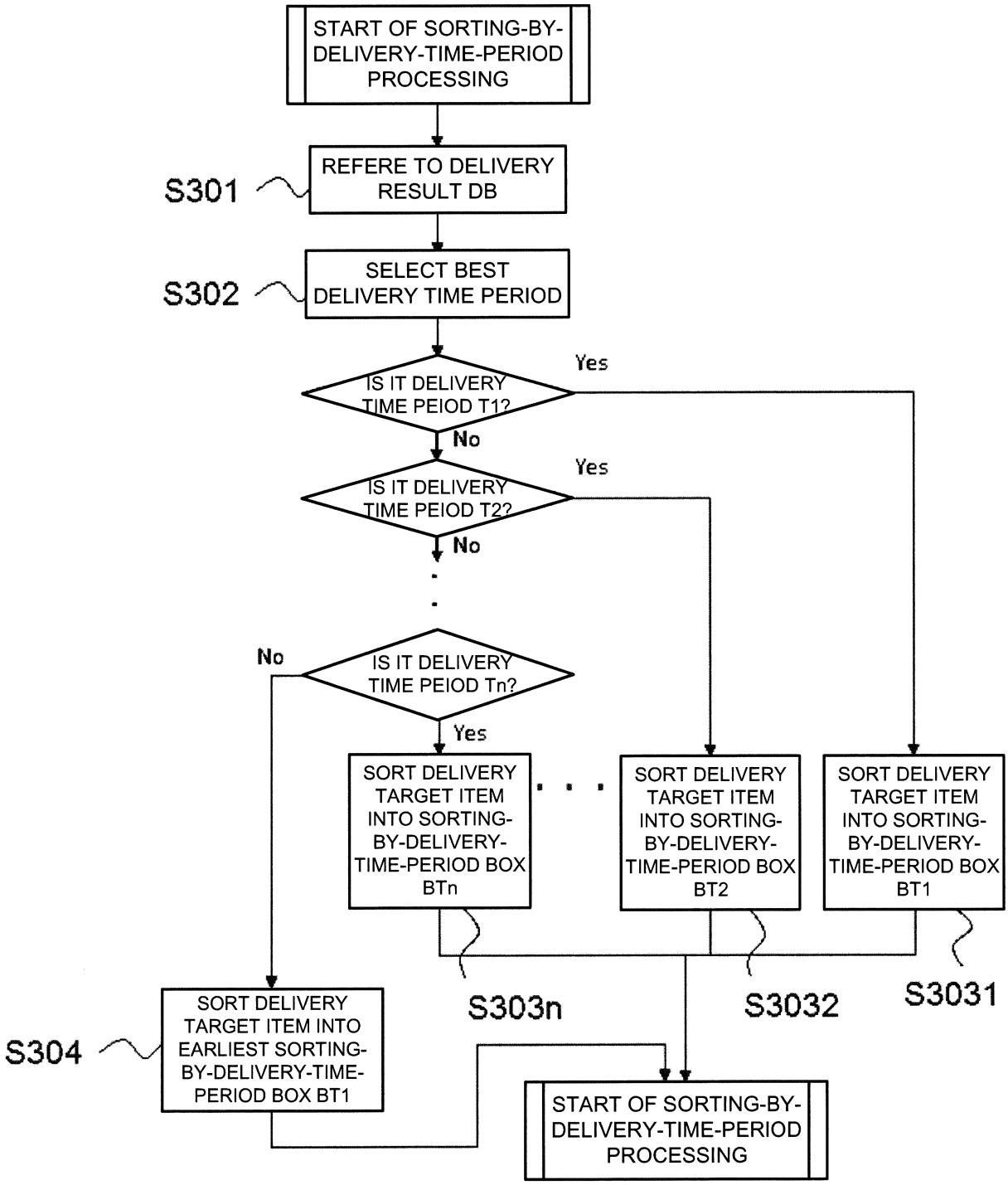

START OF SORTING-BY-DELIVERY-TIME-PERIOD PROCESSING
S301
REFERE TO DELIVERY RESULT DB
S302
SELECT BEST DELIVERY TIME PERIOD
IS IT DELIVERY TIME PEIOD T1?
Yes
No
IS IT DELIVERY TIME PEIOD T2?
Yes
No
IS IT DELIVERY TIME PEIOD Tn?
No
Yes
SORT DELIVERY TARGET ITEM INTO SORTING-BY-DELIVERY-TIME-PERIOD BOX BTn
SORT DELIVERY TARGET ITEM INTO SORTING-BY-DELIVERY-TIME-PERIOD BOX BT2
SORT DELIVERY TARGET ITEM INTO SORTING-BY-DELIVERY-TIME-PERIOD BOX BT1
S303n
S3032
S3031
S304
SORT DELIVERY TARGET ITEM INTO EARLIEST SORTING-BY-DELIVERY-TIME-PERIOD BOX BT1
START OF SORTING-BY-DELIVERY-TIME-PERIOD PROCESSING

FIG. 5

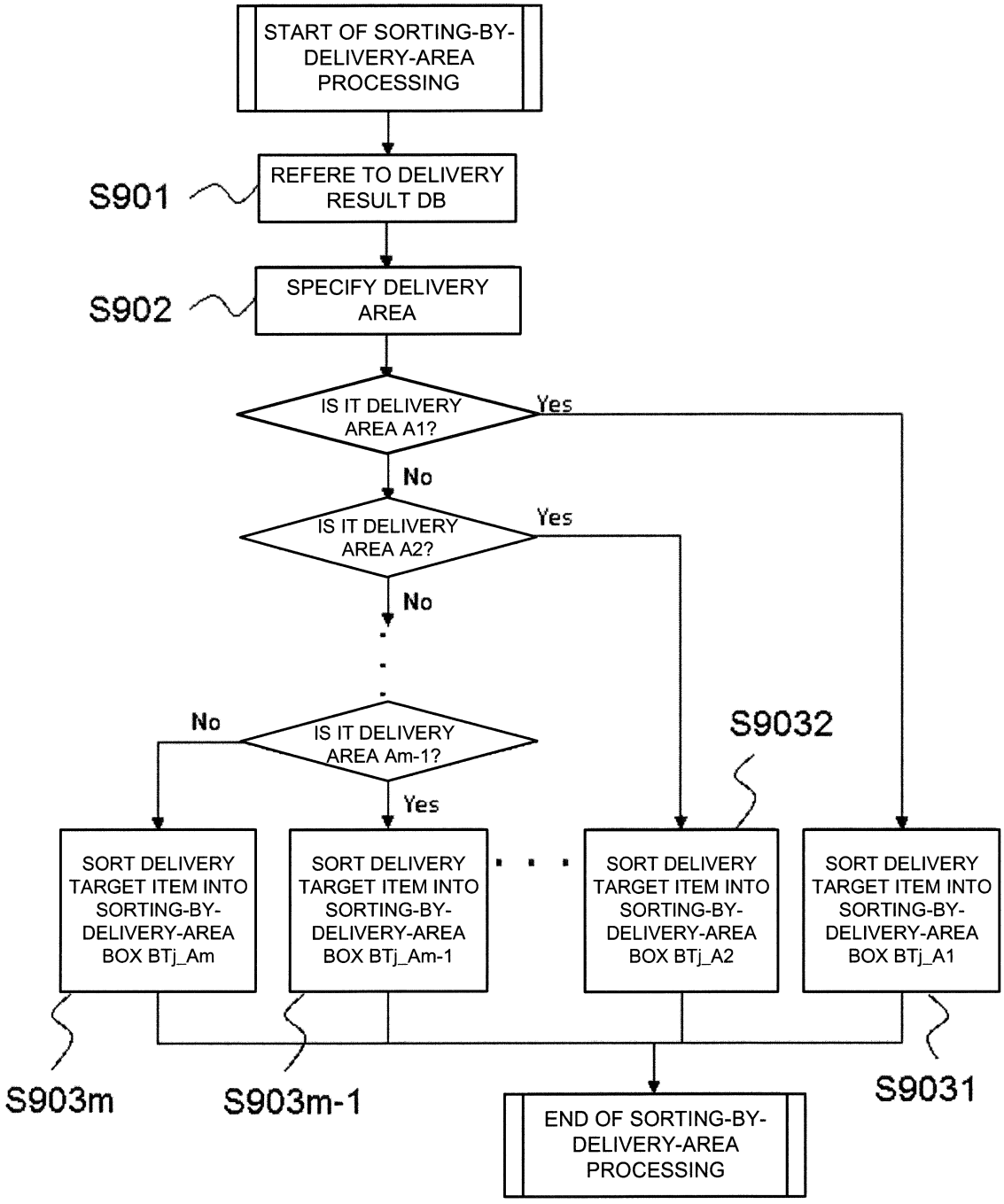

START OF SORTING-BY-DELIVERY-AREA PROCESSING
S901
REFERE TO DELIVERY RESULT DB
S902
SPECIFY DELIVERY AREA
IS IT DELIVERY AREA A1?
Yes
No
IS IT DELIVERY AREA A2?
Yes
No
No
IS IT DELIVERY AREA Am-1?
Yes
S9032
SORT DELIVERY TARGET ITEM INTO SORTING-BY-DELIVERY-AREA BOX BTj_Am
SORT DELIVERY TARGET ITEM INTO SORTING-BY-DELIVERY-AREA BOX BTj_Am-1
SORT DELIVERY TARGET ITEM INTO SORTING-BY-DELIVERY-AREA BOX BTj_A2
SORT DELIVERY TARGET ITEM INTO SORTING-BY-DELIVERY-AREA BOX BTj_A1
S903m
S903m-1
S9031
END OF SORTING-BY-DELIVERY-AREA PROCESSING

FIG. 6

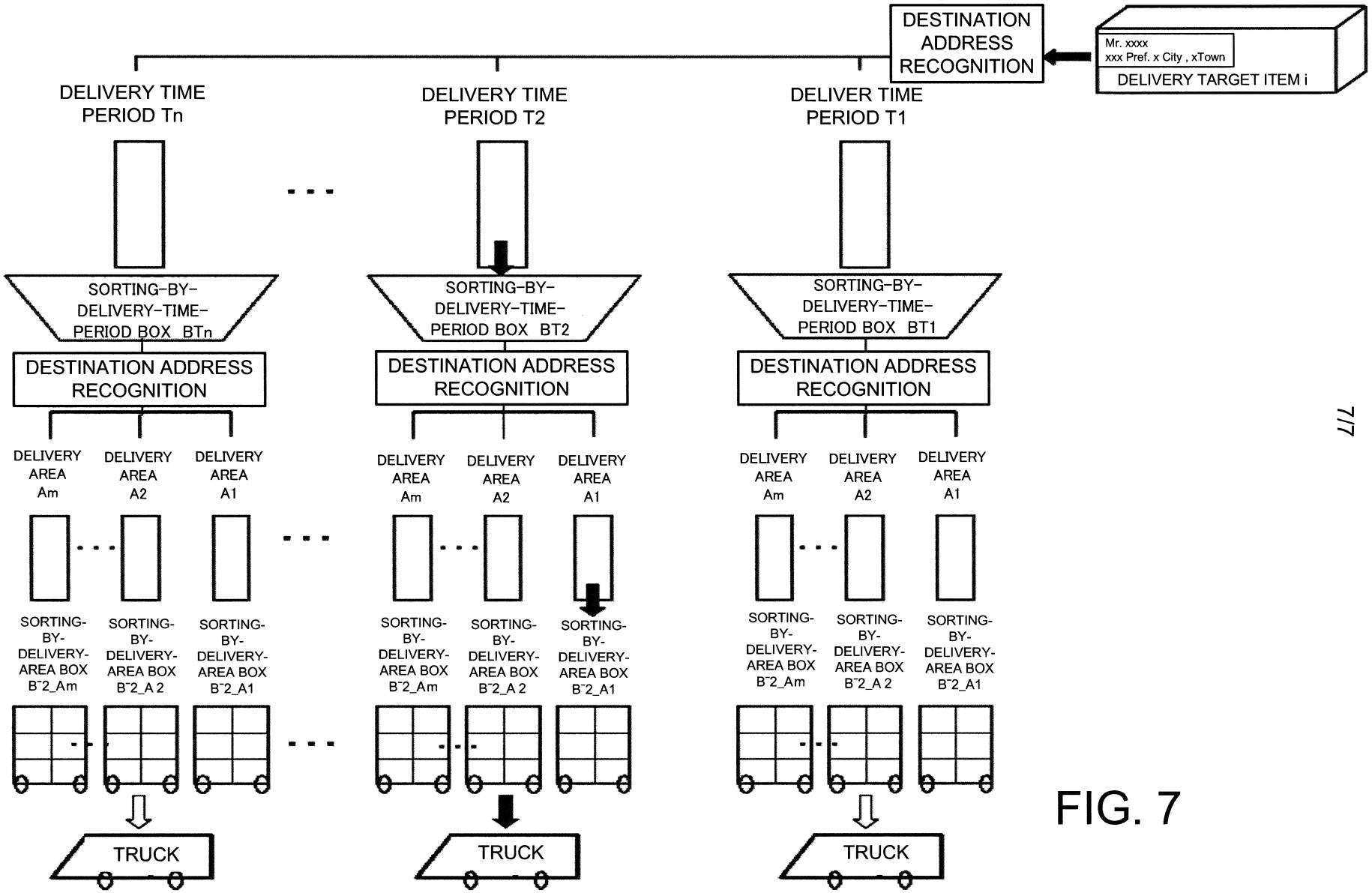

DESTINATION ADDRESS RECOGNITION
Mr. xxxx
xxx Pref. x City , xTown
DELIVERY TARGET ITEM i
DELIVERY TIME PERIOD Tn
DELIVERY TIME PERIOD T2
DELIVER TIME PERIOD T1
SORTING-BY-DELIVERY-TIME-PERIOD BOX BTn
SORTING-BY-DELIVERY-TIME-PERIOD BOX BT2
SORTING-BY-DELIVERY-TIME-PERIOD BOX BT1
DESTINATION ADDRESS RECOGNITION
DESTINATION ADDRESS RECOGNITION
DESTINATION ADDRESS RECOGNITION
DELIVERY AREA Am
DELIVERY AREA A2
DELIVERY AREA A1
SORTING-BY-DELIVERY-AREA BOX B~2_Am
SORTING-BY-DELIVERY-AREA BOX B~2_A 2
SORTING-BY-DELIVERY-AREA BOX B~2_A1
TRUCK
TRUCK
TRUCK

FIG. 7