FIG.1

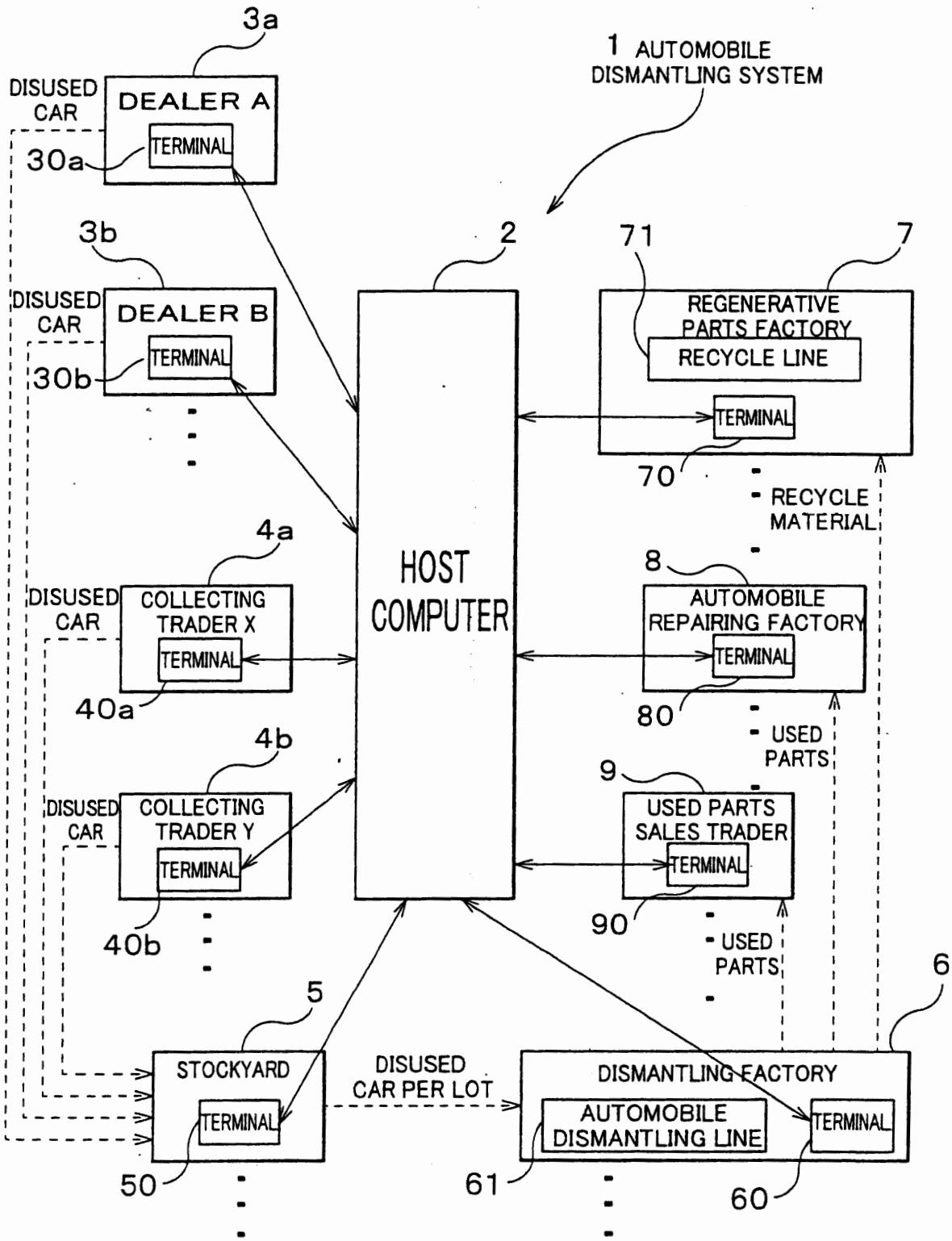

1 AUTOMOBILE DISMANTLING SYSTEM
HOST COMPUTER
2
3a
DEALER A
TERMINAL
30a
DISUSED CAR
3b
DEALER B
TERMINAL
30b
DISUSED CAR
4a
COLLECTING TRADER X
TERMINAL
40a
DISUSED CAR
4b
COLLECTING TRADER Y
TERMINAL
40b
DISUSED CAR
5
STOCKYARD
TERMINAL
50
DISUSED CAR PER LOT
6
DISMANTLING FACTORY
AUTOMOBILE DISMANTLING LINE
TERMINAL
61
60
7
71
REGENERATIVE PARTS FACTORY
RECYCLE LINE
TERMINAL
70
RECYCLE MATERIAL
8
AUTOMOBILE REPAIRING FACTORY
TERMINAL
80
USED PARTS
9
USED PARTS SALES TRADER
TERMINAL
90
USED PARTS

FIG.2

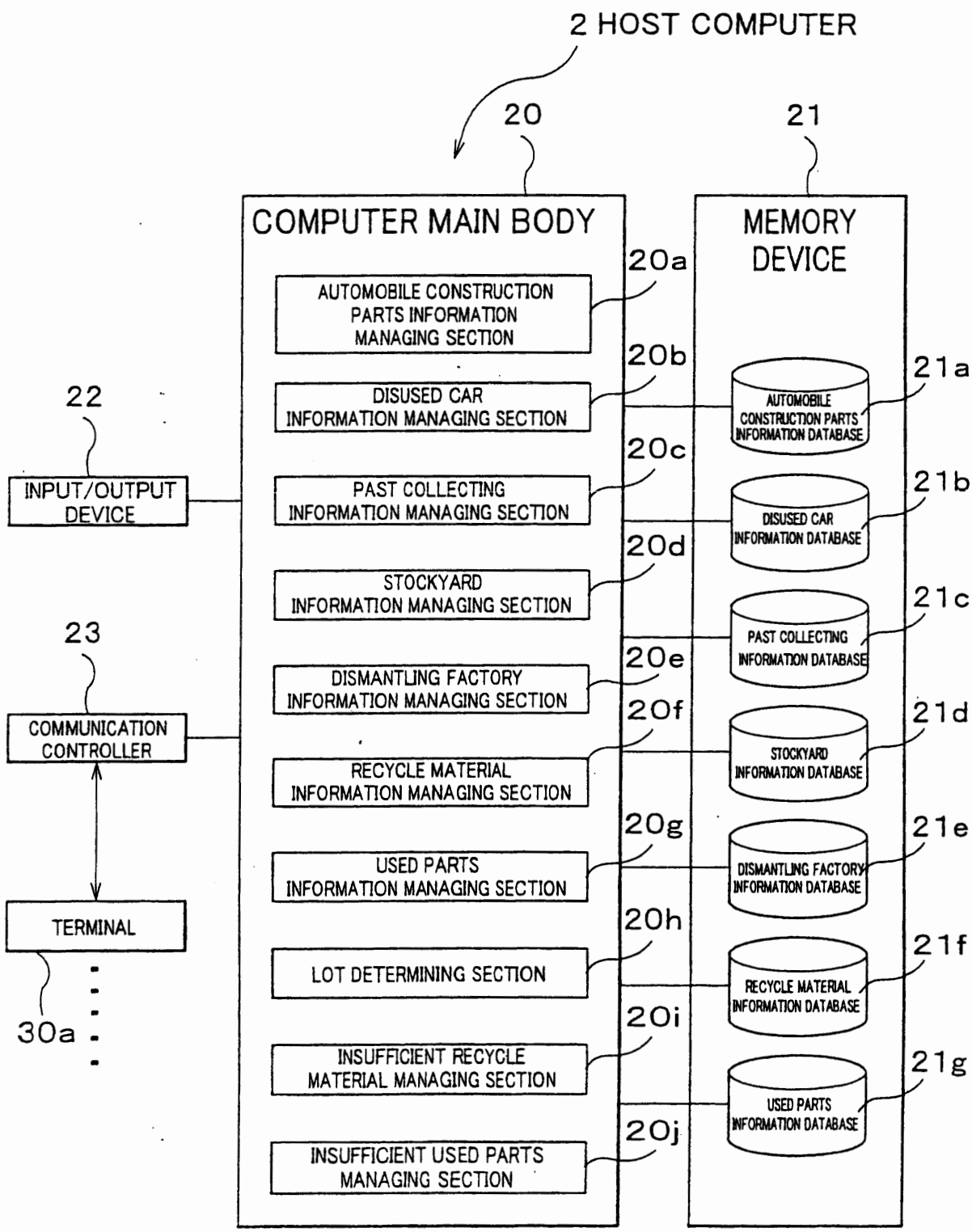

2 HOST COMPUTER
20
21
COMPUTER MAIN BODY
MEMORY DEVICE
20a
AUTOMOBILE CONSTRUCTION PARTS INFORMATION MANAGING SECTION
20b
DISUSED CAR INFORMATION MANAGING SECTION
20c
PAST COLLECTING INFORMATION MANAGING SECTION
20d
STOCKYARD INFORMATION MANAGING SECTION
20e
DISMANTLING FACTORY INFORMATION MANAGING SECTION
20f
RECYCLE MATERIAL INFORMATION MANAGING SECTION
20g
USED PARTS INFORMATION MANAGING SECTION
20h
LOT DETERMINING SECTION
20i
INSUFFICIENT RECYCLE MATERIAL MANAGING SECTION
20j
INSUFFICIENT USED PARTS MANAGING SECTION
21a
AUTOMOBILE CONSTRUCTION PARTS INFORMATION DATABASE
21b
DISUSED CAR INFORMATION DATABASE
21c
PAST COLLECTING INFORMATION DATABASE
21d
STOCKYARD INFORMATION DATABASE
21e
DISMANTLING FACTORY INFORMATION DATABASE
21f
RECYCLE MATERIAL INFORMATION DATABASE
21g
USED PARTS INFORMATION DATABASE
22
INPUT/OUTPUT DEVICE
23
COMMUNICATION CONTROLLER
TERMINAL
30a

FIG.3

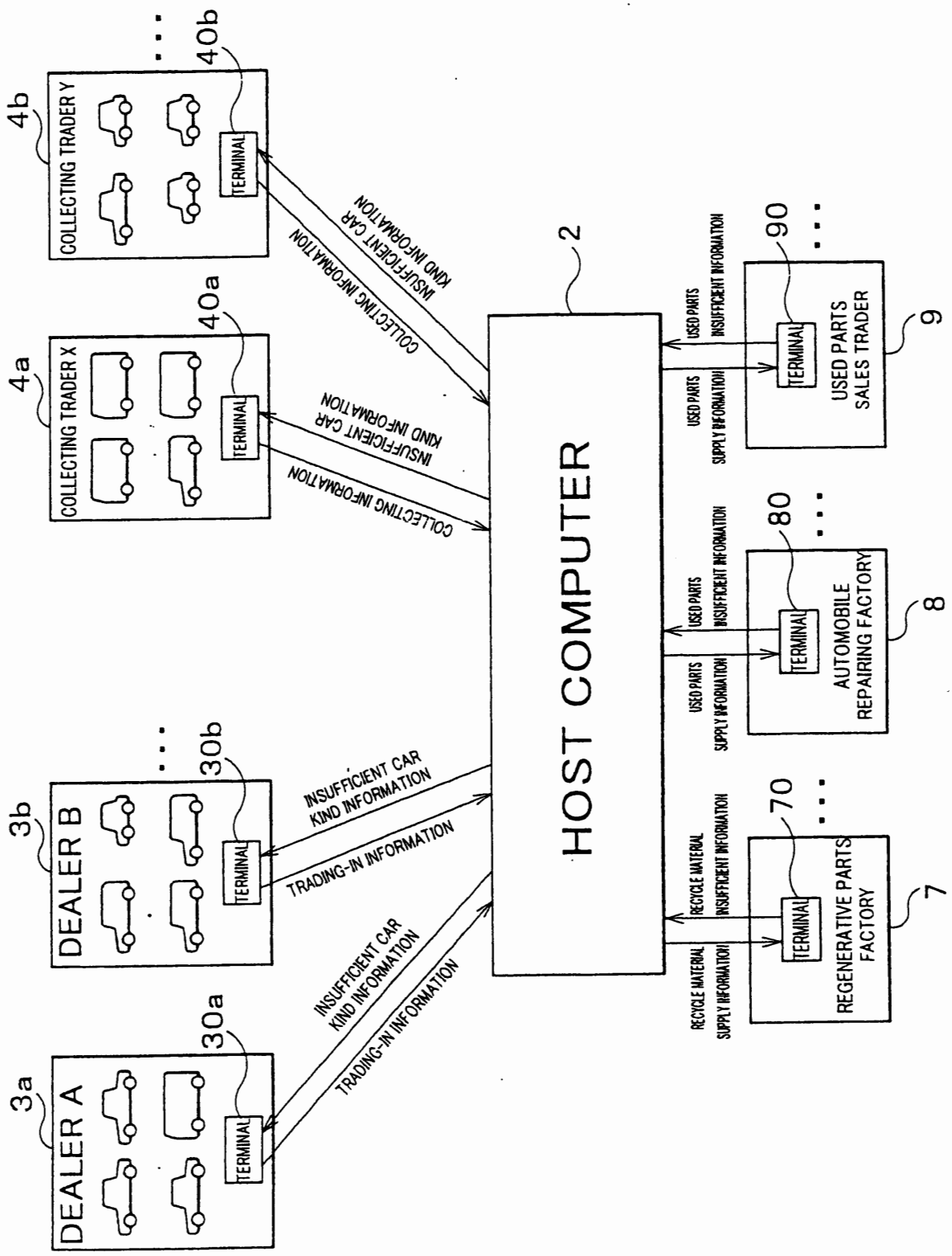

HOST COMPUTER
2
DEALER A
3a
30a
TERMINAL
DEALER B
3b
30b
TERMINAL
COLLECTING TRADER X
4a
40a
TERMINAL
COLLECTING TRADER Y
4b
40b
TERMINAL
INSUFFICIENT CAR KIND INFORMATION
TRADING-IN INFORMATION
COLLECTING INFORMATION
INSUFFICIENT CAR KIND INFORMATION
USED PARTS INSUFFICIENT INFORMATION
USED PARTS SUPPLY INFORMATION
RECYCLE MATERIAL INSUFFICIENT INFORMATION
RECYCLE MATERIAL SUPPLY INFORMATION
REGENERATIVE PARTS FACTORY
7
70
AUTOMOBILE REPAIRING FACTORY
8
80
USED PARTS SALES TRADER
9
90
TERMINAL

FIG.4

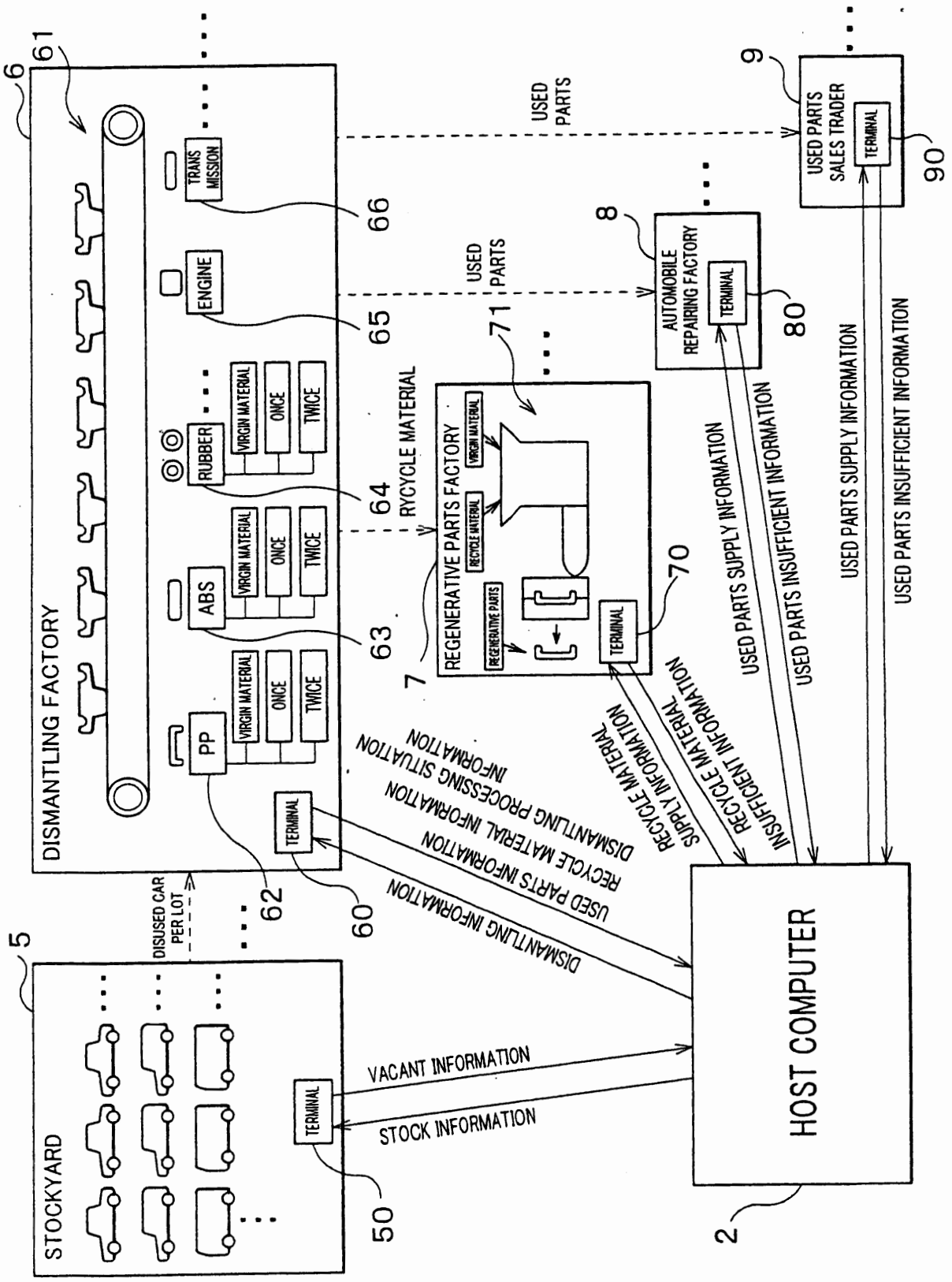

DISMANTLING FACTORY
STOCKYARD
HOST COMPUTER
AUTOMOBILE REPAIRING FACTORY
USED PARTS SALES TRADER
REGENERATIVE PARTS FACTORY
TERMINAL
DISUSED CAR PER LOT
TRANS MISSION
ENGINE
RUBBER
ABS
PP
VIRGIN MATERIAL
ONCE
TWICE
RECYCLE MATERIAL
REGENERATIVE PARTS
USED PARTS
RYCYCLE MATERIAL
VACANT INFORMATION
STOCK INFORMATION
DISMANTLING INFORMATION
USED PARTS INFORMATION
RECYCLE MATERIAL INFORMATION
DISMANTLING PROCESSING SITUATION INFORMATION
RECYCLE MATERIAL SUPPLY INFORMATION
USED PARTS SUPPLY INFORMATION
RECYCLE MATERIAL INSUFFICIENT INFORMATION
USED PARTS INSUFFICIENT INFORMATION
2
5
6
7
8
9
50
60
61
62
63
64
65
66
70
71
80
90

FIG.5

AUTOMOBILE CONSTRUCTIONAL PARTS INFORMATION FORMAT

FRAME No.	MAKER	CAR KIND	GRADE	REGISTRATION YEAR AND MONTH	CONSTRUCTION PARTS	RAW MATERIAL OR TYPE	THE NUMBER OF RECYCLE TIMES OR REUSABLE LIMIT	UTILIZATION USE
100	H	a	x	Feb. 1994	BUMPER	PP	VIRGIN MATERIAL	RECYCLE MATERIAL
					INSTRUMENT PANEL	ABS + URETHANE	ONCE	RECYCLE MATERIAL
					⋮	⋮	⋮	⋮
					ENGINE	×××−××	7 YEARS OR 70,000 Km	USED PARTS
					TRANSMISSION	××−×××	7 YEARS OR 70,000 Km	USED PARTS
					⋮	⋮	⋮	⋮
					HARNESS			DISUSE
					LAMP			DISUSE
					⋮	⋮	⋮	⋮
200	H	b	y	Jan. 1990	BUMPER	PP	TWICE	RECYCLE MATERIAL
					INSTRUMENT PANEL	ABS	VIRGIN MATERIAL	RECYCLE MATERIAL
					⋮	⋮	⋮	⋮
					ENGINE	×O×−××	7 YEARS OR 70,000 Km	USED PARTS
					TRANSMISSION		7 YEARS OR 70,000 Km	USED PARTS
					⋮	⋮	⋮	⋮
					HARNESS			DISUSE
					LAMP			DISUSE
					⋮	⋮	⋮	⋮
⋮								

FIG.6

DISUSED CAR INFORMATION FORMAT

FRAME No.	TREATING TRADER	DISUSE YEAR AND MONTH	RUNNING DISTANCE	INSUFFICIENT PARTS	LOT No.	STOCKYARD	DISMANTLING FACTORY
100	DEALER A	Aug. 2000	60, 000	NONEXISTENCE	000xx	S	K
200	DEALER A	Jul. 2000	100, 000	NONEXISTENCE	0000x	S	K
201	DEALER B	Jul. 2000	120, 000	NONEXISTENCE	0000x	S	K
300	DEALER B	Aug. 2000	50, 000	NONEXISTENCE	00000	S	K
500	DEALER B	Aug. 2000	80, 000	NONEXISTENCE		T	
600	DEALER B	Aug. 2000	110, 000	NONEXISTENCE		T	
⋮							
101	COLLECTING TRADER X	Aug. 2000	50, 000	BUMPER, ENGINE	000xx	S	K
800	COLLECTING TRADER X	Aug. 2000	70, 000	ENGINE	0xxxx	T	M
805	COLLECTING TRADER X	Aug. 2000	90, 000	NONEXISTENCE	0xxxx	T	M
300	COLLECTING TRADER Y	Aug. 2000	150, 000	NONEXISTENCE	00000	S	K
701	COLLECTING TRADER Y	Aug. 2000	120, 000	TRANSMISSION		S	
902	COLLECTING TRADER Y	Aug. 2000	90, 000	BUMPER		S	
⋮							

FIG.7

PAST COLLECTING INFORMATION FORMAT

CAR KIND	GRADE	COLLECTED CAR NUMBER																		
		YEAR 2000							YEAR 1999											...
		Jul.	Jun.	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sep.	Aug.	Jul.	Jun.	May	Apr.	Mar.	Feb.	Jan.	
a	x	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	
	y	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	
	⋮																				
b	x	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	
	y	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	
	⋮																				
⋮																					

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FIG.8

STOCKYARD INFORMATION FORMAT

STOCKYARD	STOCK AREA	STOCK SITUATION						VACANT AREA
		CAR KIND	GRADE	CAR NUMBER	OCCUPYING AREA	LOT No.	DISMANTLING START SCHEDULE DAY	
S	XXX	b	y	15	XXX	0000X	x-MONTH, x-DAY	XXX
		c	x	20	XXX	00000	x-MONTH, x-DAY	
		d	x	4	XXX			
		e	x	3	XXX			
		e	y	2	XXX			
		f	x	5	XXX			
		⋮						
T	XXX	g	x	15	XXX	00XXX	x-MONTH, x-DAY	XXX
		h	x	3	XXX			
			y	2	XXX			
			x	5	XXX			
		⋮						
⋮								

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FIG.9

DISMANTLING FACTORY INFORMATION FORMAT

DISMANTLING FACTORY	PROCESSING ABILITY	LOT BEING PROCESSED			PROCESSING SCHEDULE LOT		
		LOT No.	CAR NUMBER	DISMANTLING TERMINATION SCHEDULE DAY	LOT No.	CAR NUMBER	DISMANTLING START SCHEDULE DAY
K	xx	000xx	10	x-MONTH, x-DAY	0000x	15	x-MONTH, x-DAY
					00000	20	x-MONTH, x-DAY
					⋮		
M	xx	0xxxx	20	x-MONTH, x-DAY	00xxx	15	x-MONTH, x-DAY
					⋮		
⋮							

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FIG.10

RECYCLE MATERIAL INFORMATION FORMAT

RECYCLE MATERIAL	DISMANTLING FACTORY OR STOCKYARD	THE NUMBER OF RECYCLE TIMES	AMOUNT
PP	DISMANTLING FACTORY K	VIRGIN MATERIAL	X X X
		ONCE	X X X
		TWICE	X X X
	⋮		
	STOCKYARD S	VIRGIN MATERIAL	X X X
		ONCE	X X X
		TWICE	X X X
	⋮		
ABS	DISMANTLING FACTORY K	VIRGIN MATERIAL	X X X
		ONCE	X X X
		TWICE	X X X
	⋮		
	STOCKYARD S	VIRGIN MATERIAL	X X X
		ONCE	X X X
		TWICE	X X X
	⋮		
⋮			

FIG.11

USED PARTS INFORMATION FORMAT

USED PARTS	DISMANTLING FACTORY OR STOCKYARD	TYPE	USE YEAR AND MONTH	RUNNING DISTANCE
ENGINE	DISMANTLING FACTORY K	×××−××	SIX YEARS AND SIX MONTHS	60, 000
	DISMANTLING FACTORY K	×××−××	FIVE YEARS AND THREE MONTHS	50, 000
	⋮			
	STOCKYARD S	000−××	FIVE YEARS AND TWO MONTHS	40, 000
	STOCKYARD S	0×0−××	SIX YEARS AND FIVE MONTHS	30, 000
	⋮			
TRANSMISSION	DISMANTLING FACTORY K	××−×××	SIX YEARS AND SIX MONTHS	60, 000
	DISMANTLING FACTORY K	××−×××	FIVE YEARS AND THREE MONTHS	50, 000
	⋮			
	STOCKYARD S	00−×××	FIVE YEARS AND TWO MONTHS	40, 000
	STOCKYARD S	00−000	SIX YEARS AND FIVE MONTHS	30, 000
	⋮			
⋮				

FIG.12

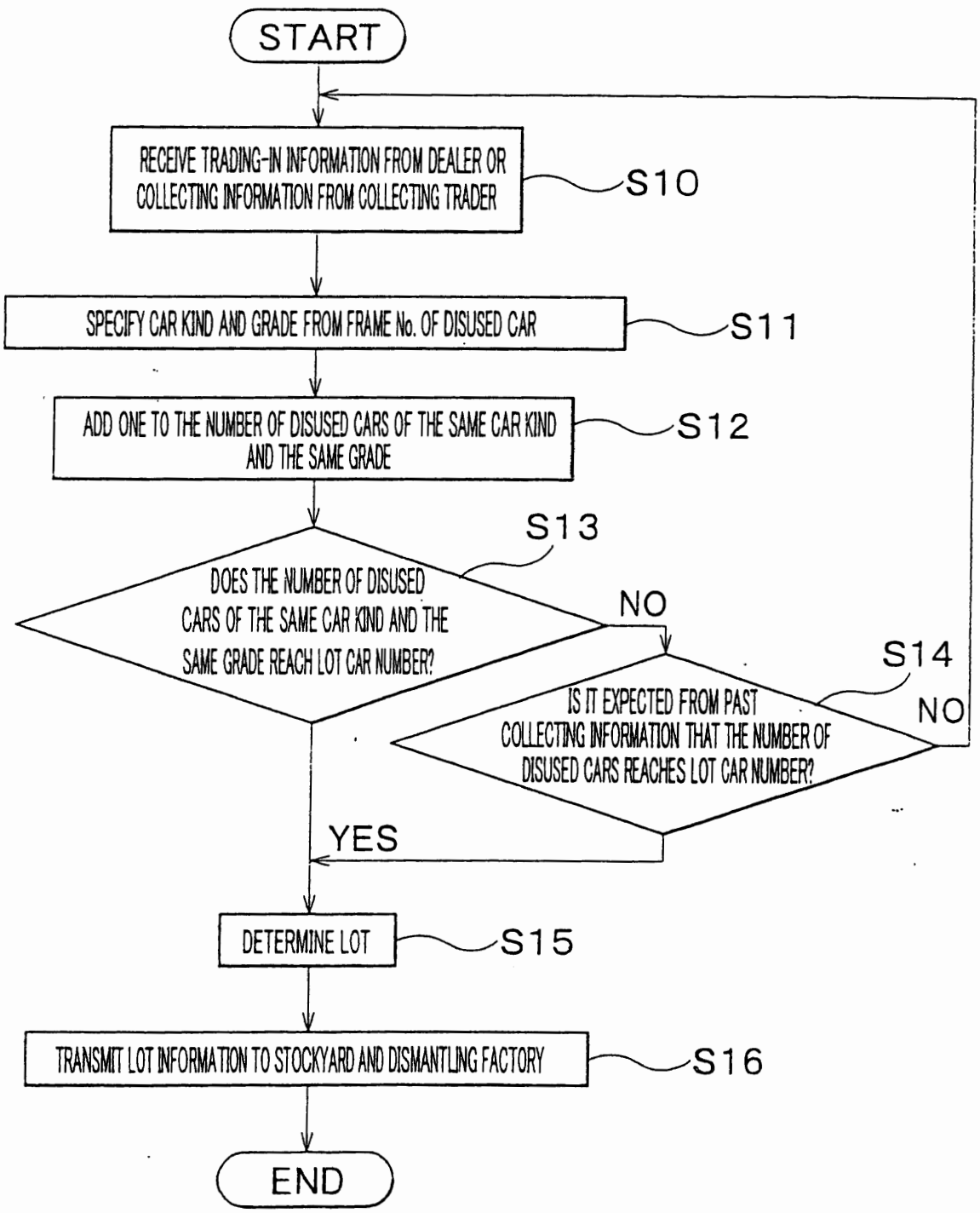

START
RECEIVE TRADING-IN INFORMATION FROM DEALER OR COLLECTING INFORMATION FROM COLLECTING TRADER
S10
SPECIFY CAR KIND AND GRADE FROM FRAME No. OF DISUSED CAR
S11
ADD ONE TO THE NUMBER OF DISUSED CARS OF THE SAME CAR KIND AND THE SAME GRADE
S12
S13
DOES THE NUMBER OF DISUSED CARS OF THE SAME CAR KIND AND THE SAME GRADE REACH LOT CAR NUMBER?
NO
S14
IS IT EXPECTED FROM PAST COLLECTING INFORMATION THAT THE NUMBER OF DISUSED CARS REACHES LOT CAR NUMBER?
NO
YES
DETERMINE LOT
S15
TRANSMIT LOT INFORMATION TO STOCKYARD AND DISMANTLING FACTORY
S16
END

FIG.13

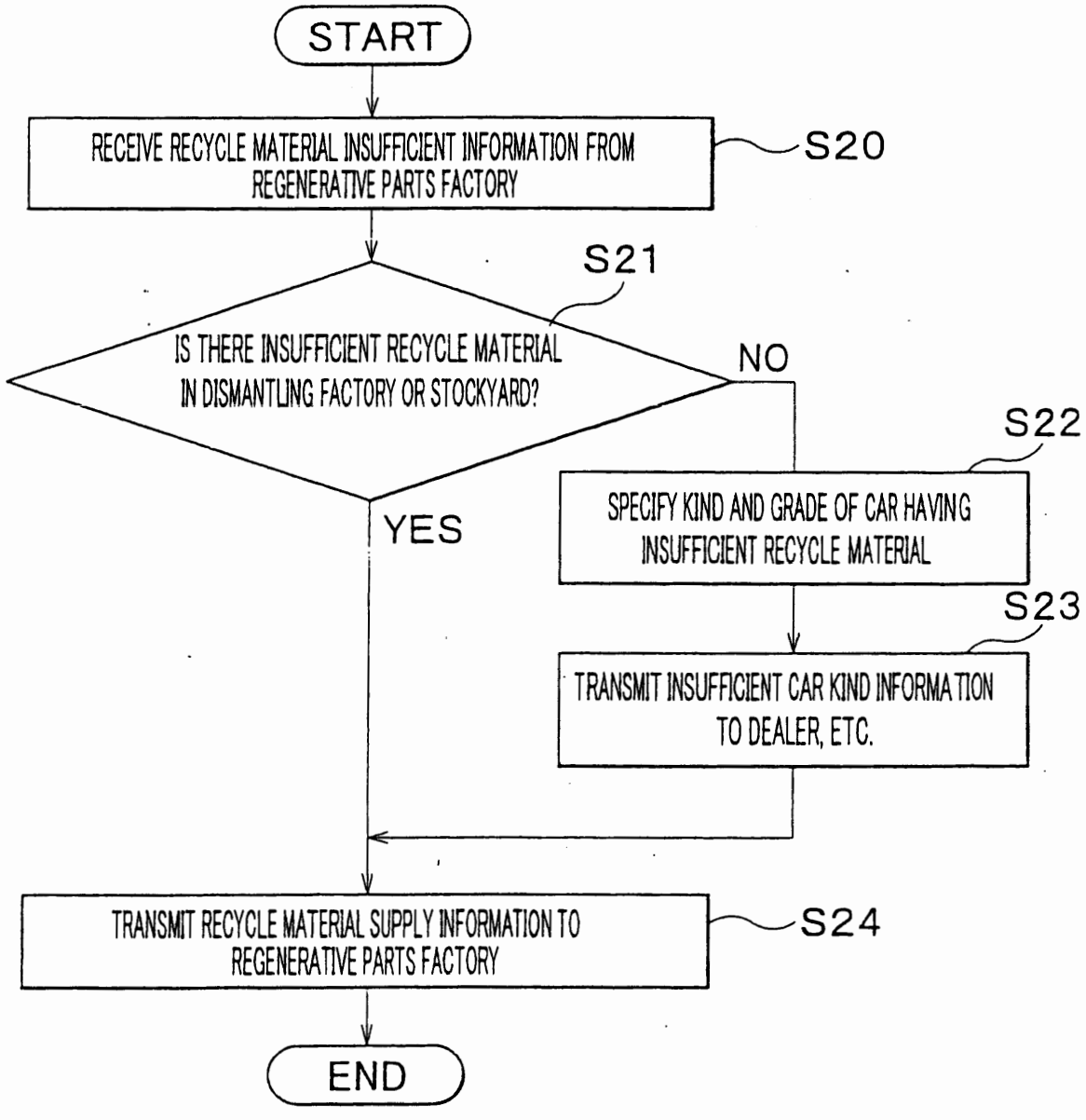
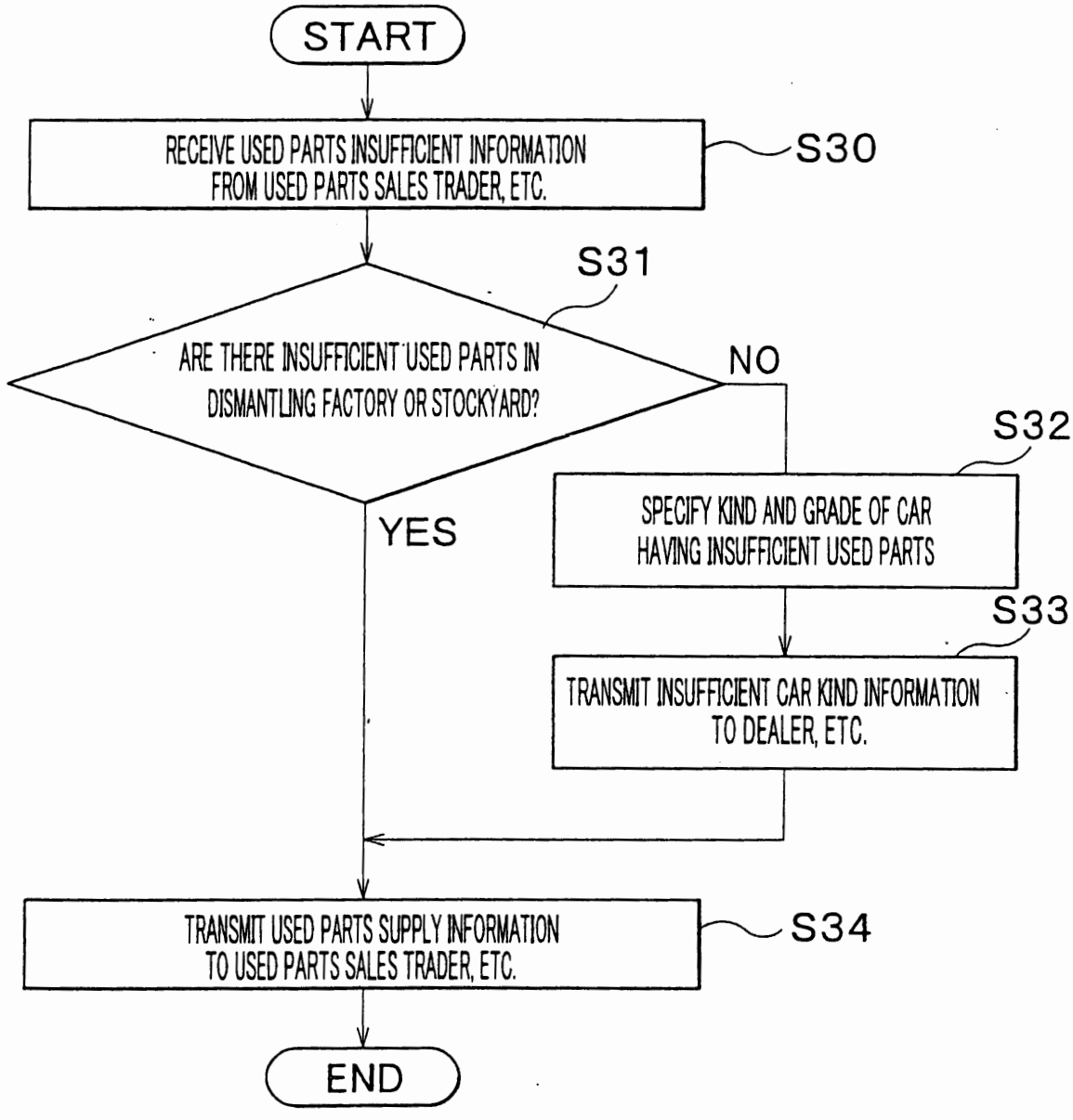

START
RECEIVE RECYCLE MATERIAL INSUFFICIENT INFORMATION FROM REGENERATIVE PARTS FACTORY
S20
S21
IS THERE INSUFFICIENT RECYCLE MATERIAL IN DISMANTLING FACTORY OR STOCKYARD?
NO
YES
S22
SPECIFY KIND AND GRADE OF CAR HAVING INSUFFICIENT RECYCLE MATERIAL
S23
TRANSMIT INSUFFICIENT CAR KIND INFORMATION TO DEALER, ETC.
TRANSMIT RECYCLE MATERIAL SUPPLY INFORMATION TO REGENERATIVE PARTS FACTORY
S24
END

FIG.14


START
RECEIVE USED PARTS INSUFFICIENT INFORMATION FROM USED PARTS SALES TRADER, ETC.
S30
S31
ARE THERE INSUFFICIENT USED PARTS IN DISMANTLING FACTORY OR STOCKYARD?
NO
YES
S32
SPECIFY KIND AND GRADE OF CAR HAVING INSUFFICIENT USED PARTS
S33
TRANSMIT INSUFFICIENT CAR KIND INFORMATION TO DEALER, ETC.
TRANSMIT USED PARTS SUPPLY INFORMATION TO USED PARTS SALES TRADER, ETC.
S34
END