

FIG. 1

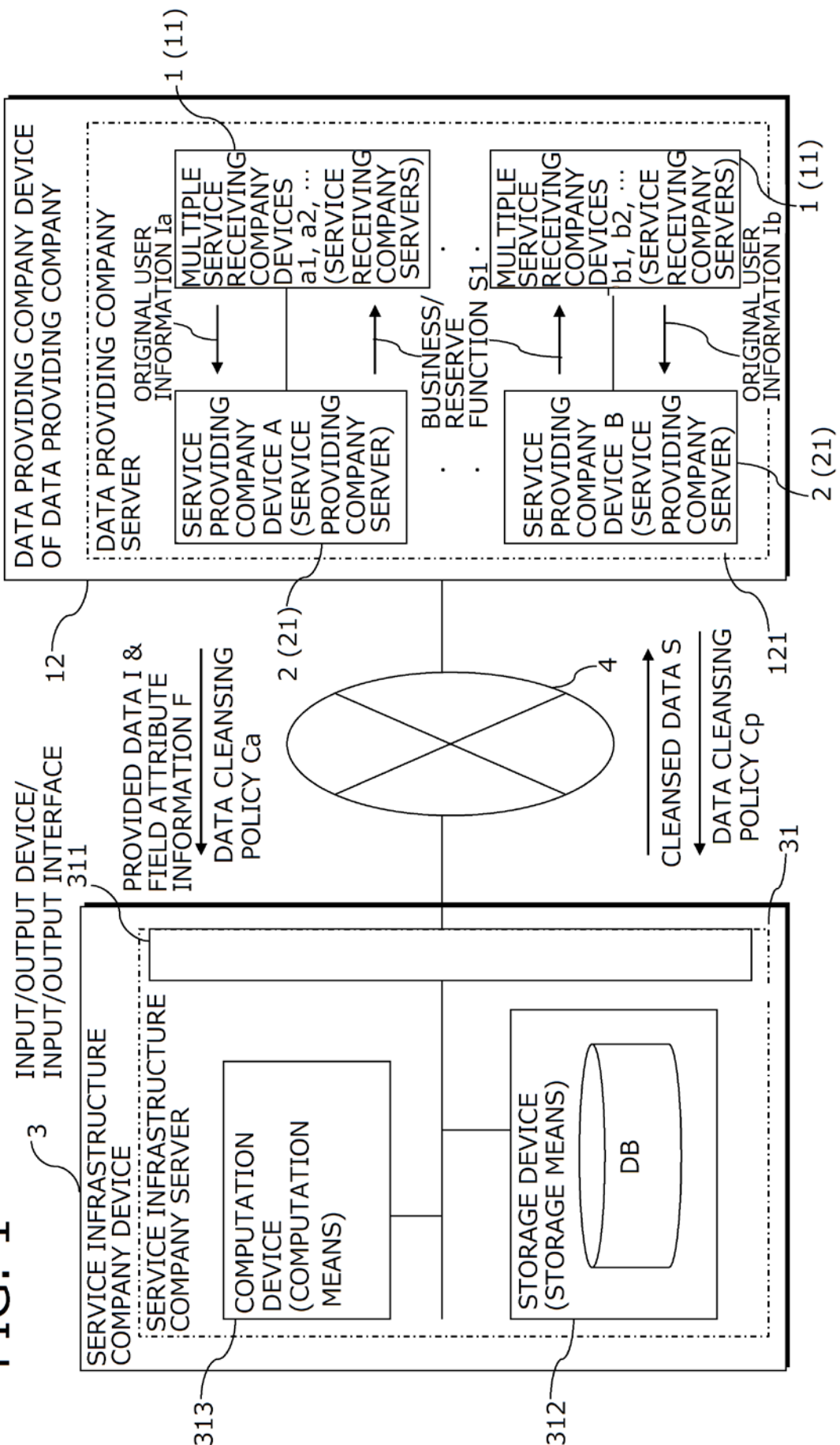


FIG. 2

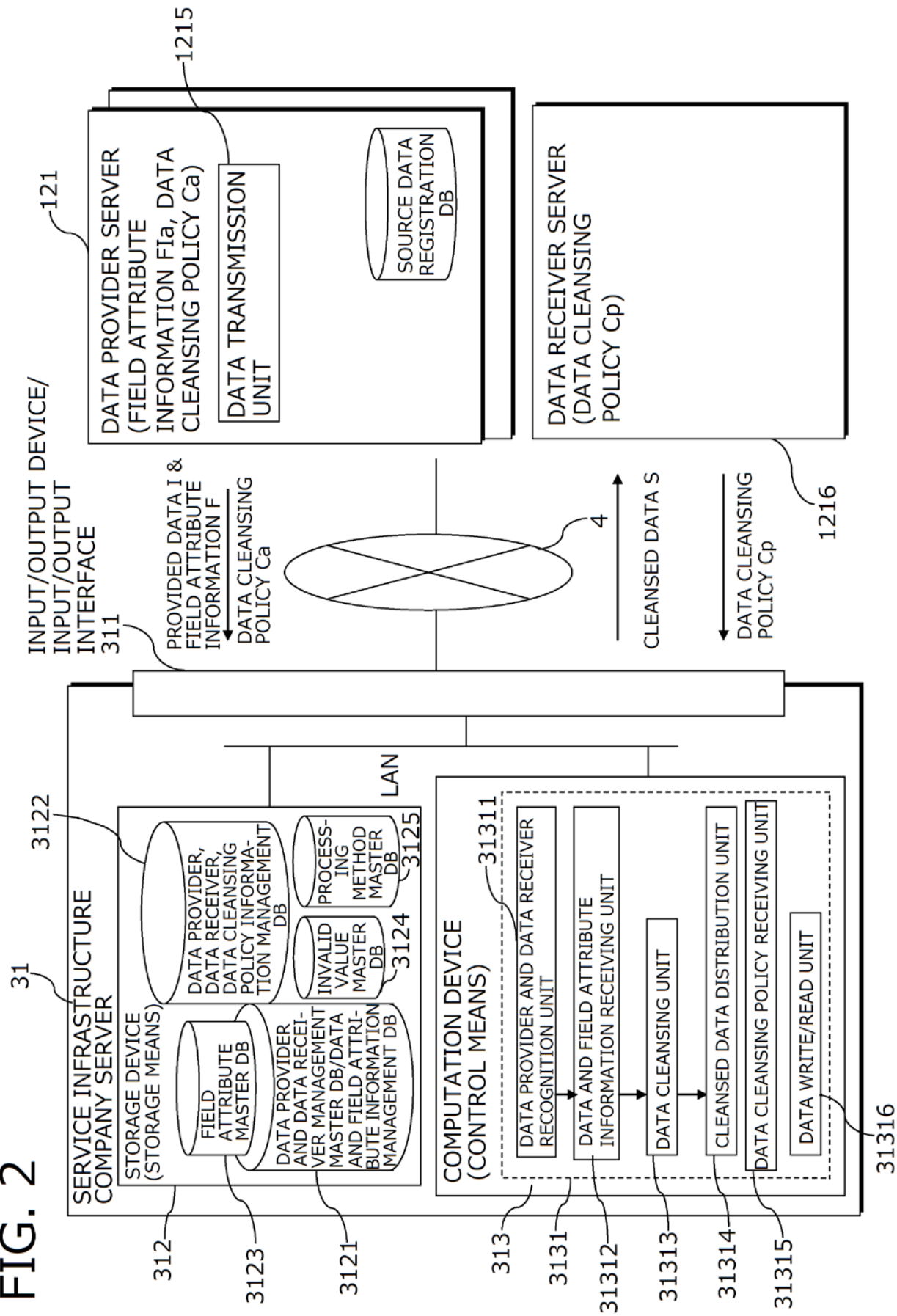


FIG. 3

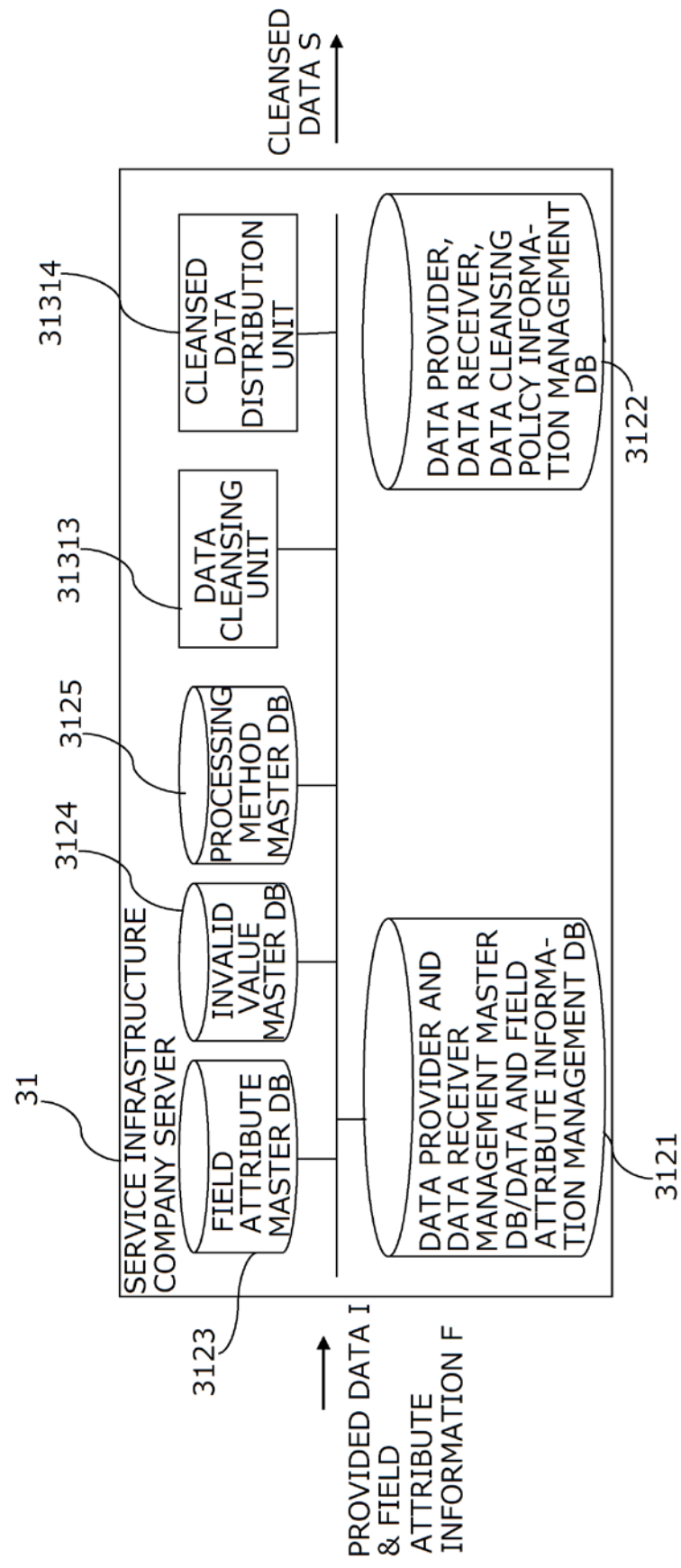


FIG. 4

ORIGINAL DATA

(EXAMPLE: "SALES JOURNAL TABLE" OF "KAKAKA STORE, INC.")

401		402	403		404	405		406	407
ORIGINAL DATA PRIMARY KEY		PURCHASE DATE	STORE NAME	CUSTOMER NAME	TRADE NAME	NUMBER OF ITEMS PURCHASED	AMOUNT		
1		2013.3.2	SHIBUYA CENTRAL	○TA □ROU	OPTICAL MOUSE	5	10000		
2		2013.3.2	OSAKI HIGASHI	○KI □ROU	FOUR-COLOR BALL POINT PEN	100	20,000		
3		2013.3.3	OSAKI HIGASHI	○TATSU □ROU	100-SHEET CARD CASE	10	30,000		
4		2013.3.4	SHINAGAWA MAIN STORE	J FERRY	PEN CASE	5	40000		
.				.	.	.	.	.	.
.				.	.	.	.	.	.
.				.	.	.	.	.	.

FIG. 5

ORIGINAL DATA SOURCE MASTER

501	502	503	504
ORIGINAL DATA ID	ORIGINAL DATA NAME	DATA PROVIDER ID	DATA PROVIDER NAME
1	SALES JOURNAL TABLE	1	KAKAKA STORE, INC.
2	RESERVE JOURNAL TABLE	2	KIKIKI HOTEL, INC.
3	TIME ZONE-SPECIFIC SALES TABLE	3	KEKEKE BEAUTY SALON, INC.
4	RESERVE JOURNAL TABLE	3	KEKEKE BEAUTY SALON, INC.
.	.	.	.
.	.	.	.
.	.	.	.

FIG. 6

DATA PROVIDER MASTER

601	602
DATA PROVIDER ID	DATA PROVIDER NAME
1	KAKAKA STORE, INC.
2	KIKIKI HOTEL, INC.
3	KEKEKE BEAUTY SALON, INC.
.	.
.	.
.	.

FIG. 7

ORIGINAL DATA FIELD ATTRIBUTE MASTER

701 FIELD ID	702 ORIGINAL DATA ID	703 FIELD NAME	704 FIELD ATTRIBUTE ID
1	1	DATA NUMBER	1
2	1	PURCHASE DATE	8
3	1	STORE NAME	3
4	1	CUSTOMER NAME	3
5	1	TRADE NAME	3
6	1	NUMBER OF ITEMS PURCHASED	7
7	1	AMOUNT	6
.	.	.	.
.	.	.	.
.	.	.	.

FIG. 8

FIELD ATTRIBUTE MASTER

801 FIELD ATTRIBUTE ID	802 ATTRIBUTE
1	DATA NUMBER
2	PURCHASE DATE
3	NAME
4	POSTAL ADDRESS
5	PHONE NUMBER
6	AMOUNT
7	QUANTITY
8	DATE
.	.
.	.
.	.

FIG. 9

INVALID VALUE MASTER

INVALID VALUE ID	INVALID VALUE TYPE
1	NULL
2	DOUBLE-BYTE/SINGLE-BYTE INCONSISTENCY
3	INVALID CHARACTER
4	UNFORMATTED
.	.
.	.
.	.

FIG. 10

PROCESSING METHOD MASTER

PROCESSING METHOD ID	PROCESSING
1	DO NOTHING
2	DELETE ALL RECORDS
3	MAKE NULL
4	REPLACE WITH AVERAGE VALUE
5	MAKE ALPHANUMERIC CHARACTER DOUBLE-BYTE CHARACTER
6	COMPLY WITH DEFAULT DATA CLEANSING POLICY OF DATA RECEIVER => COMPANY P DEFAULT DATA CLEANSING POLICY Cp
7	COMPLY WITH DATA PROVIDER DATA CLEANSING POLICY FOR THE DATA => COMPANY A DATA CLEANSING POLICY CaIa FOR COMPANY A ORIGINAL DATA Ia
8	COMPLY WITH INFRASTRUCTURE COMPANY DEFAULT DATA CLEANSING POLICY => INFRASTRUCTURE COMPANY DEFAULT DATA CLEANSING POLICY Cg
9	COMPLY WITH DEFAULT DATA CLEANSING POLICY OF DATA PROVIDER => COMPANY A DEFAULT DATA CLEANSING POLICY Ca
.	.
.	.
.	.

FIG. 11

DATA CLEANSING POLICY SETTING SCREEN

FILED NAME	DATA NUMBER	PURCHASE DATE	STORE NAME	CUSTOMER NAME	TRADE NAME	NUMBER OF ITEMS PURCHASED	AMOUNT
	PRIMARY KEY	DATE	NAME	NAME	NAME	QUANTITY	AMOUNT
INVALID VALUE							
NULL	2▼	1▼	1▼	1▼	1▼	1▼	...
DOUBLE-BYTE/SINGLE-BYTE INCONSISTENCY	2▼	1▼	1▼	5▼	5▼	5▼	...
INVALID CHARACTER	2▼	3▼	3▼	3▼	5▼	3▼	...
UNFORMATTED	2▼	3▼	3▼	3▼	3▼	5▼	...
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.

9/23

FIG. 12

DATA Ia DEFAULT DATA CLEANSING POLICY MASTER OF
DATA PROVIDER, COMPANY A

1201 DATA PROVIDER ID	1202 ORIGINAL DATA SOURCE ID	1203 ORIGINAL DATA FIELD ID	1204 ORIGINAL DATA FIELD NAME	1205 INVALID VALUE NAME	1206 PROCESSING METHOD ID
1	1	1	ORIGINAL DATA PRIMARY KEY	1	2
1	1	1	ORIGINAL DATA PRIMARY KEY	2	2
1	1	1	ORIGINAL DATA PRIMARY KEY	3	2
1	1	1	ORIGINAL DATA PRIMARY KEY	4	2
1	1	2	PURCHASE DATE	1	1
1	1	2	PURCHASE DATE	2	1
1	1	2	PURCHASE DATE	3	3
1	1	2	PURCHASE DATE	4	3
1	1	3	STORE NAME	1	1
1	1	3	STORE NAME	2	5
1	1	3	STORE NAME	3	3
1	1	3	STORE NAME	4	3
1	1	4	CUSTOMER NAME	1	1
1	1	4	CUSTOMER NAME	2	5
1	1	4	CUSTOMER NAME	3	5
1	1	4	CUSTOMER NAME	4	3
.	.	.	.	.	.
.	.	.	.	.	.
.	.	.	.	.	.

FIG. 13

DATA RECEIVER MASTER

DATA RECEIVER ID	DATA RECEIVER NAME
1	SASASA FACTORY, INC.
2	SHISHISHI NOODLE FACTORY, LTD.
3	SUSUSU TRADING, INC.
.	.
.	.
.	.

FIG. 14

DATA CLEANSING POLICY MASTER					
1401	1402	1403	1404	1405	1406
DATA RECEIVER ID	ORIGINAL DATA SOURCE ID	ORIGINAL DATA FIELD ID	ORIGINAL DATA FIELD NAME	INVALID VALUE NAME	PROCESSING METHOD ID
1	1	1	ORIGINAL DATA PRIMARY KEY	1	2
1	1	1	ORIGINAL DATA PRIMARY KEY	2	2
1	1	1	ORIGINAL DATA PRIMARY KEY	3	2
1	1	1	ORIGINAL DATA PRIMARY KEY	4	2
1	1	2	PURCHASE DATE	1	1
1	1	2	PURCHASE DATE	2	1
1	1	2	PURCHASE DATE	3	3
1	1	2	PURCHASE DATE	4	3
1	1	3	STORE NAME	1	1
1	1	3	STORE NAME	2	5
1	1	3	STORE NAME	3	3
1	1	3	STORE NAME	4	3
1	1	4	CUSTOMER NAME	1	1
1	1	4	CUSTOMER NAME	2	5
1	1	4	CUSTOMER NAME	3	5
1	1	4	CUSTOMER NAME	4	3
.	.	.	.	.	.
.	.	.	.	.	.
.	.	.	.	.	.

FIG. 15

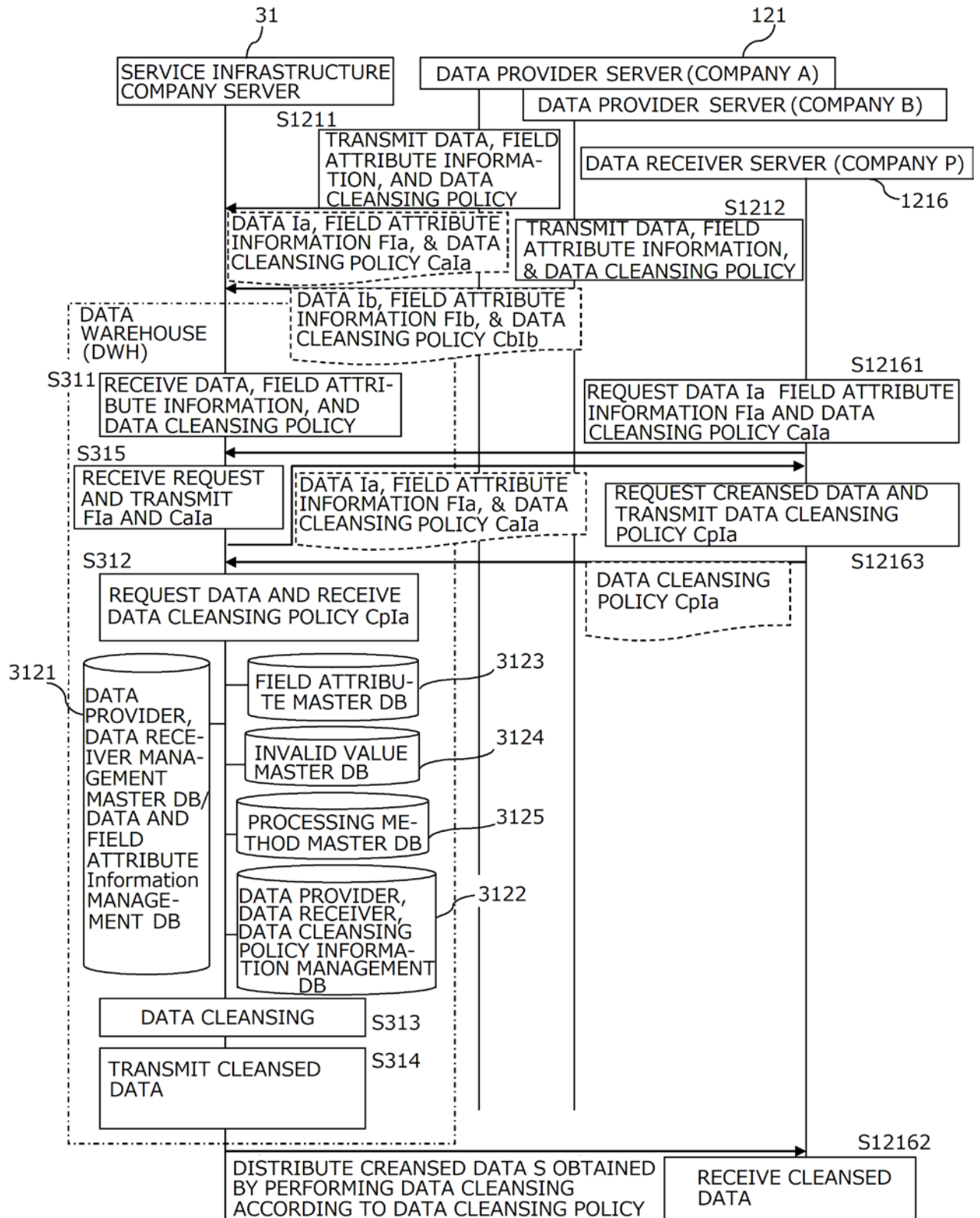


FIG. 16

TRANSMISSION OF ORIGINAL DATA, FIELD ATTRIBUTE, AND DATA CLEANSING POLICY FROM DATA PROVIDER TO INFRASTRUCTURE COMPANY

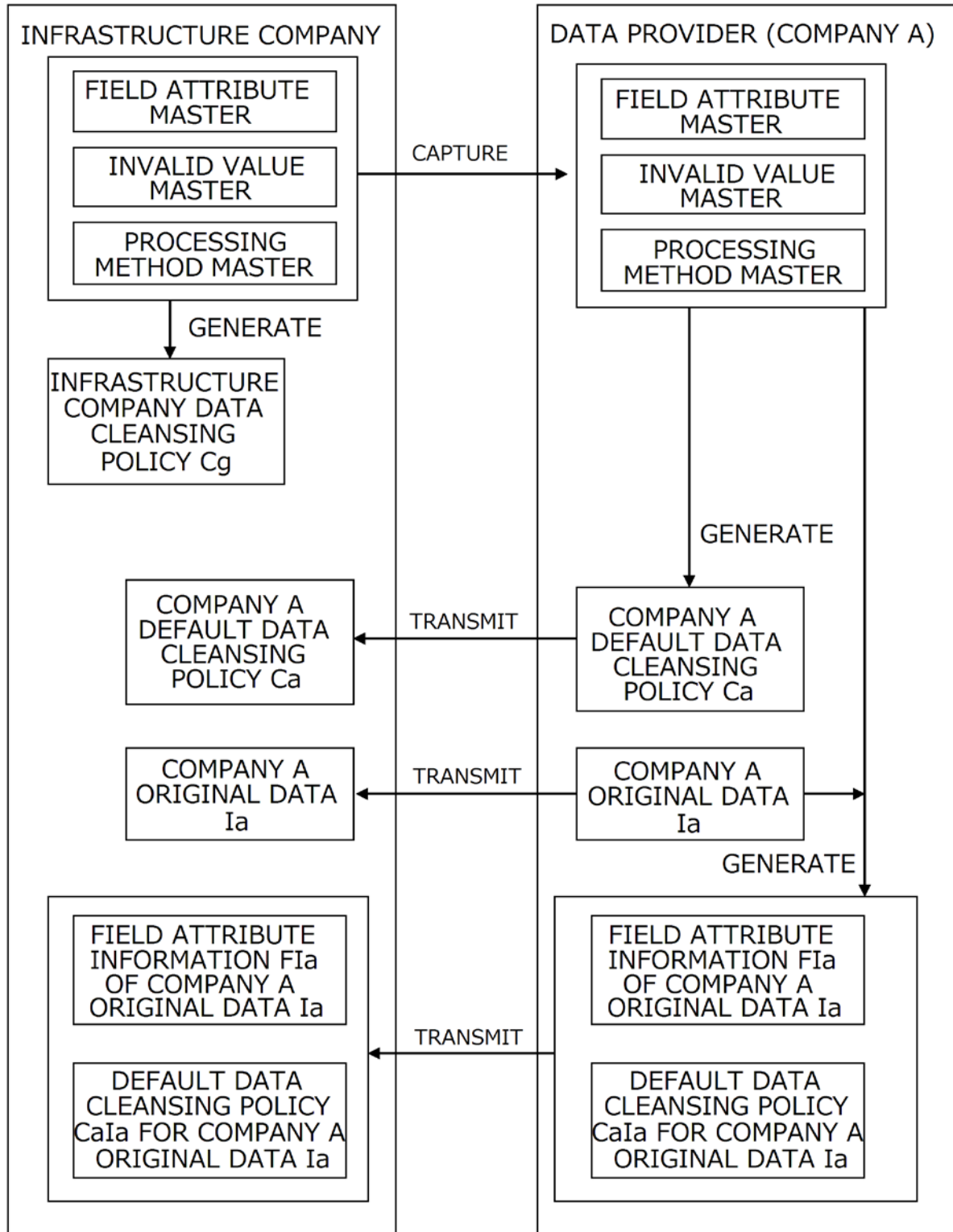


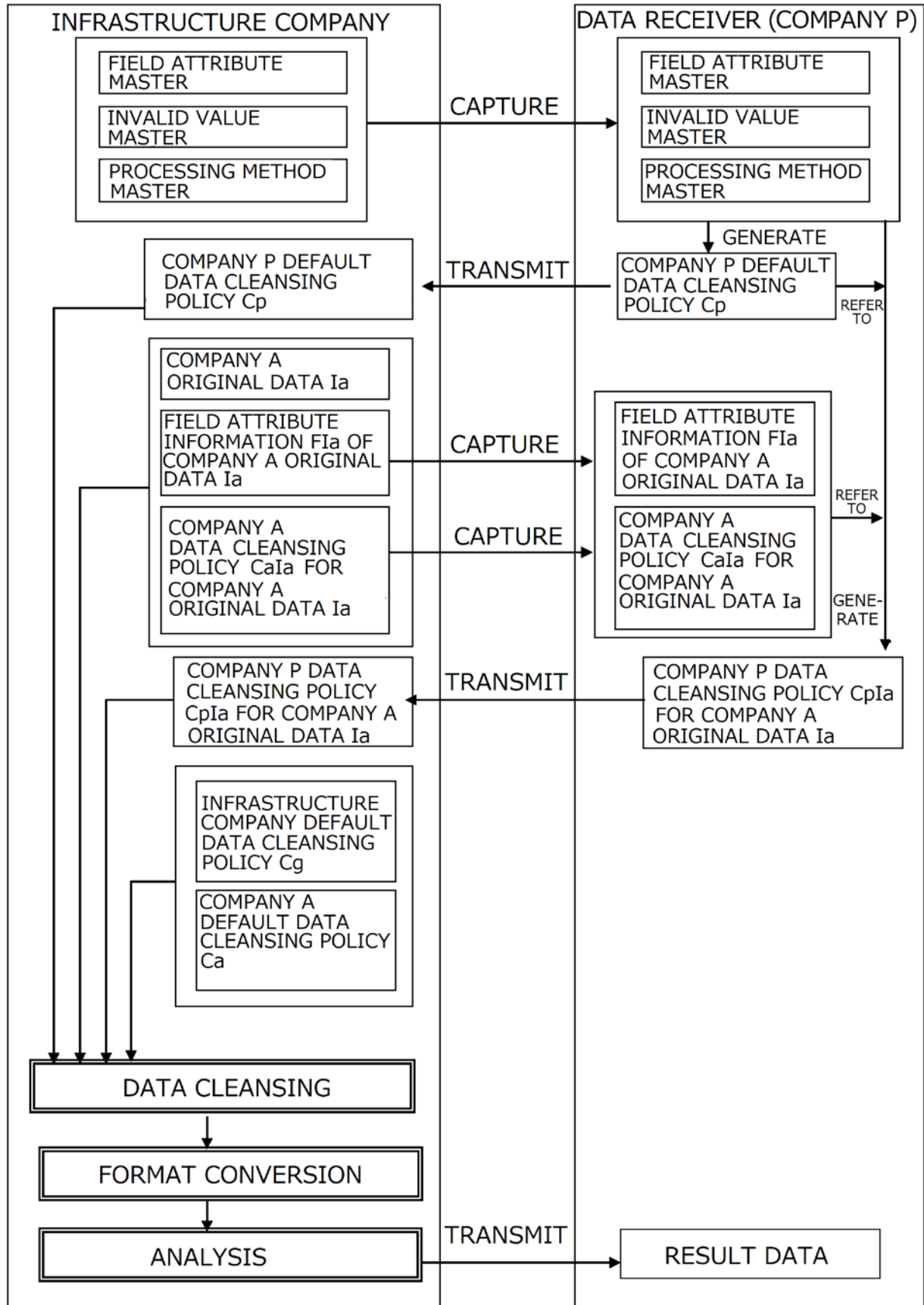
FIG. 17 TRANSMISSION OF CLEANSSED DATA TO DATA RECEIVER

FIG. 18

FLOWCHART FOR GENERATING DISPLAY OF
"DATA CLEANSING POLICY SETTING SCREEN"

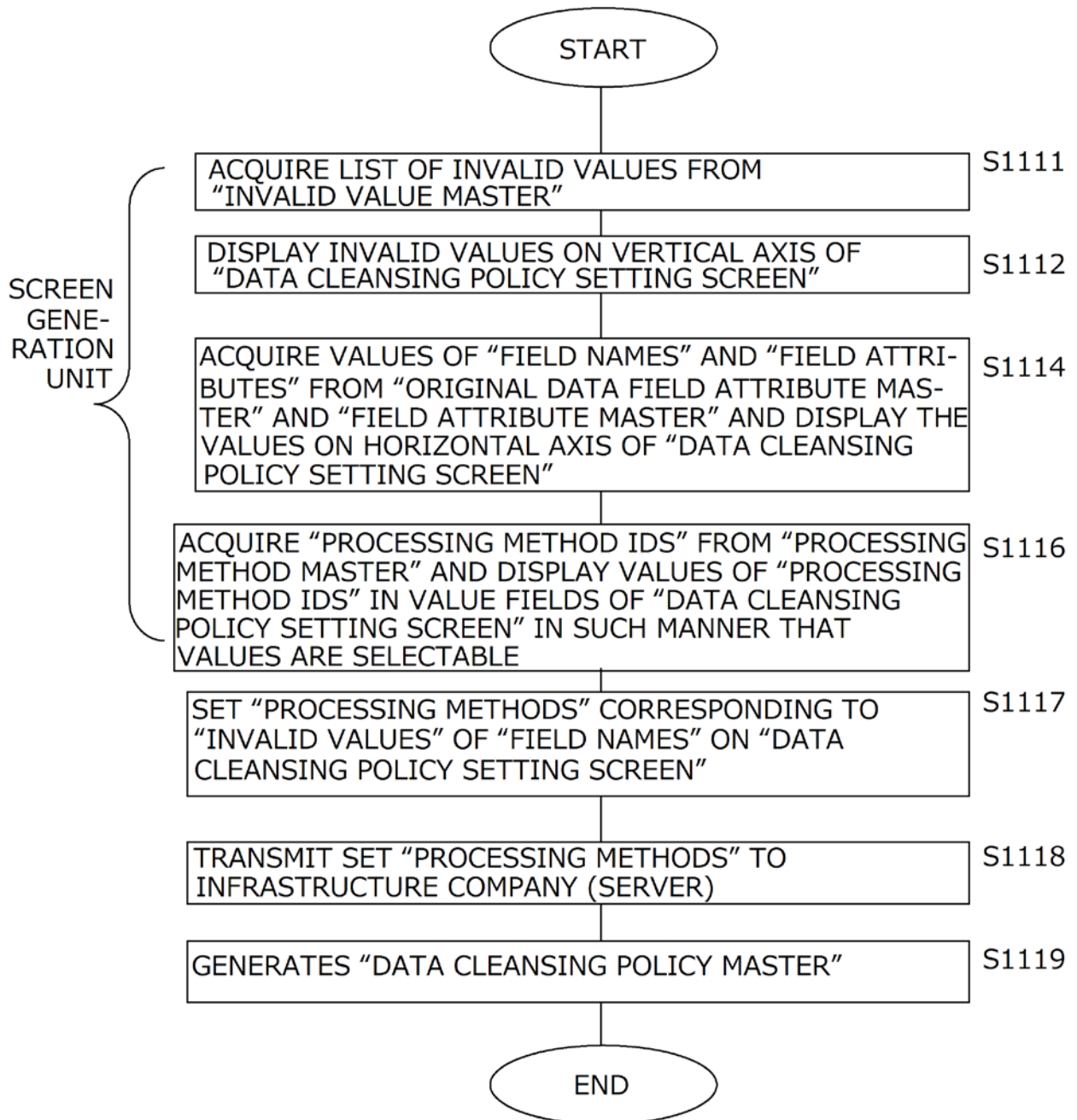


FIG. 19

FLOWCHART OF PROCESS OF FIG. 16

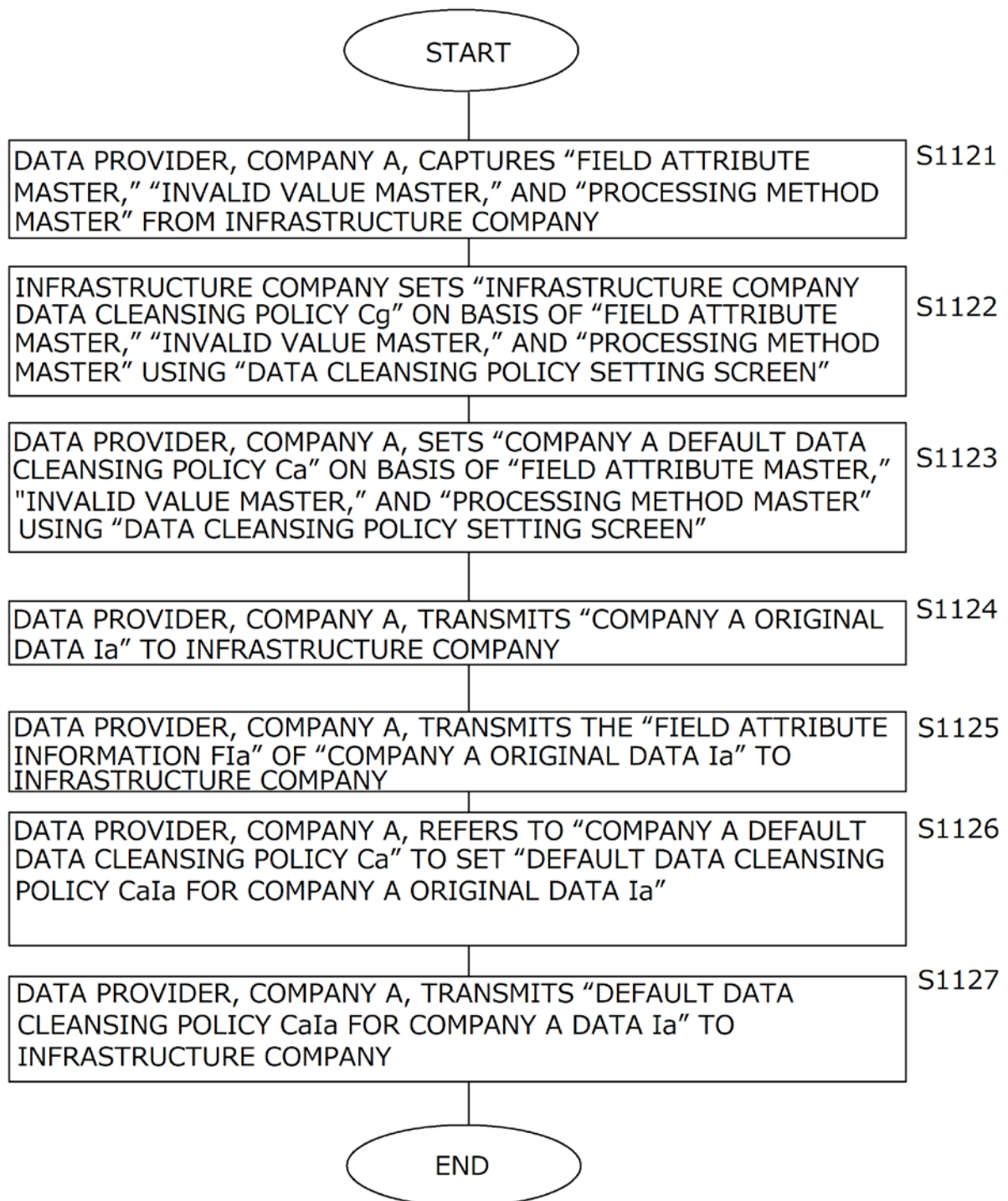


FIG. 20

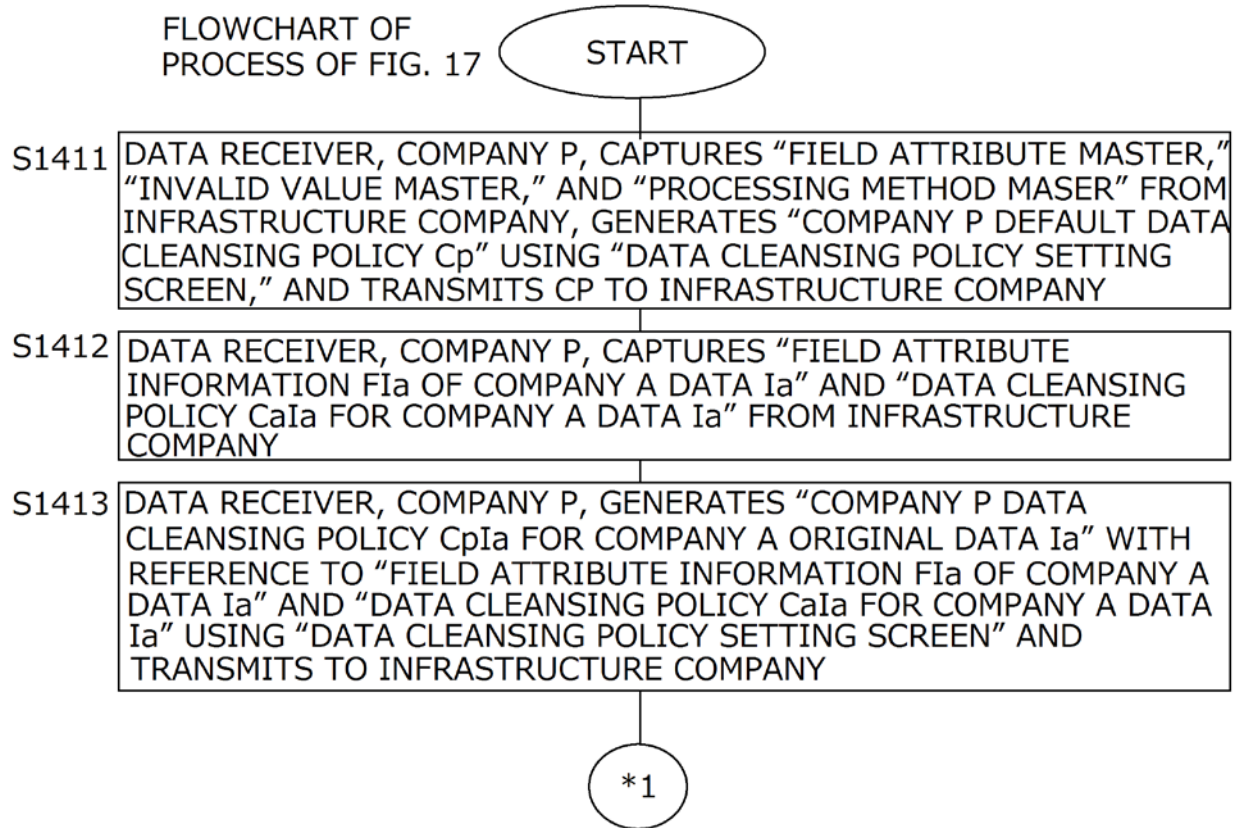


FIG. 21

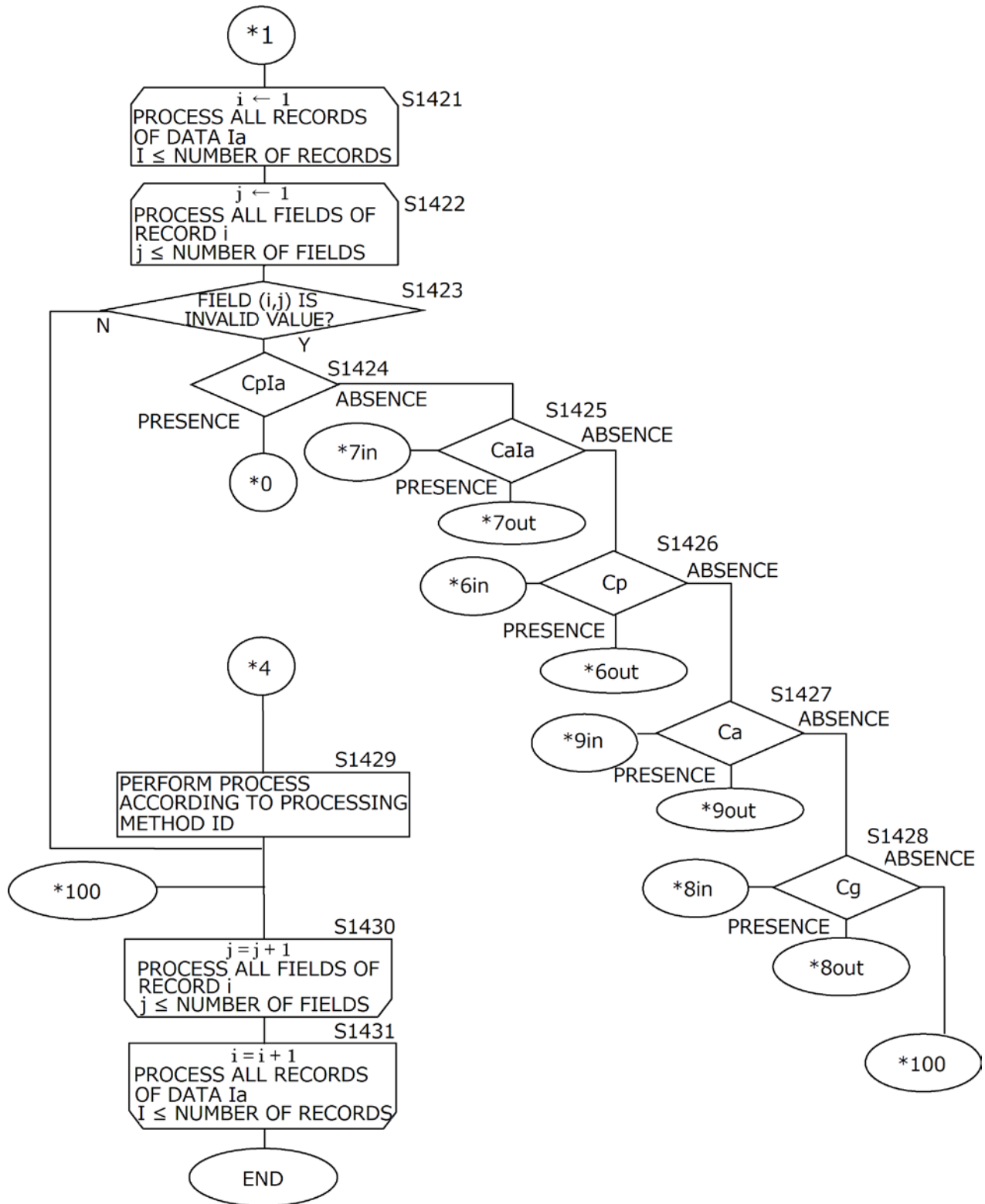


FIG. 22

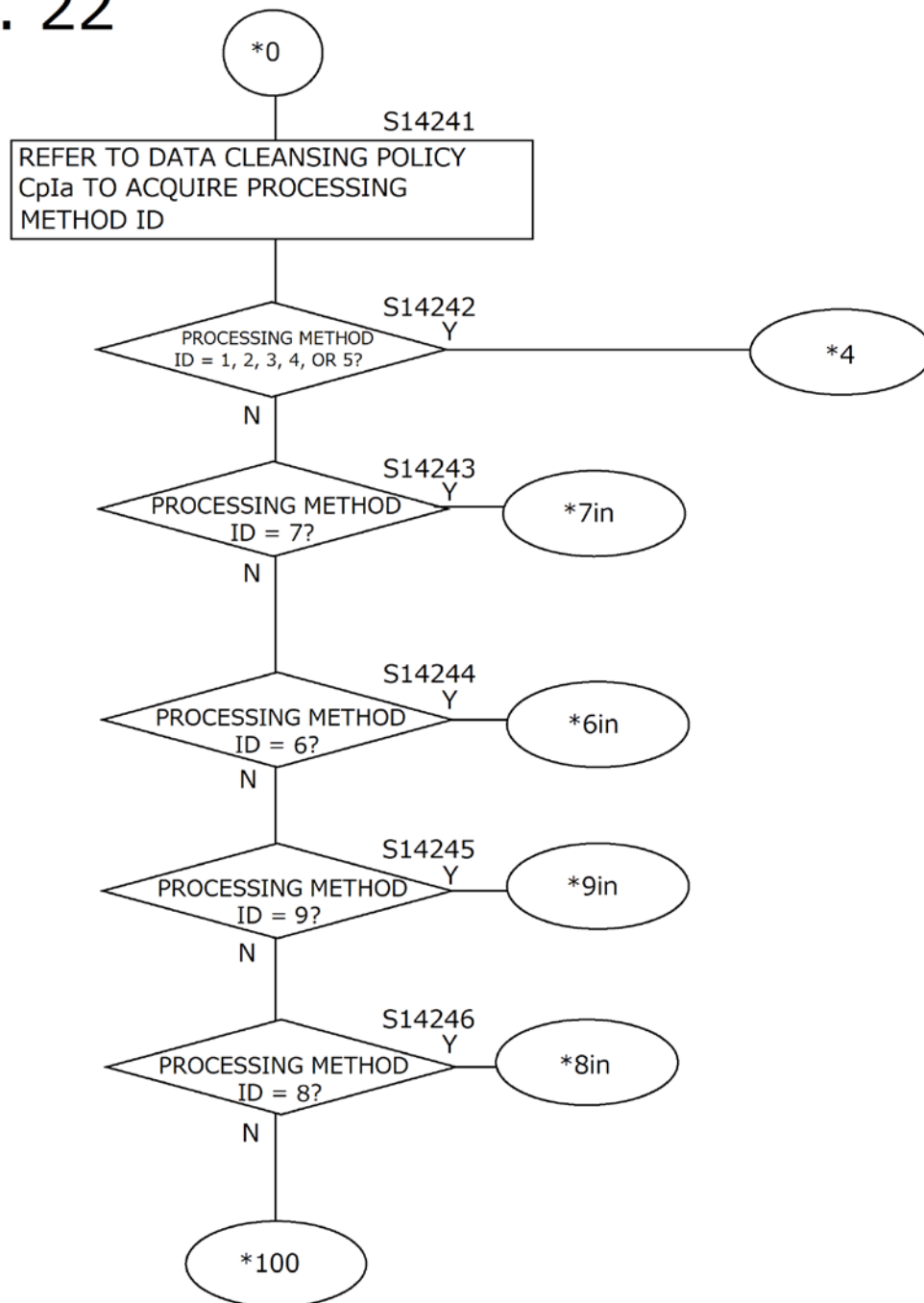


FIG. 23

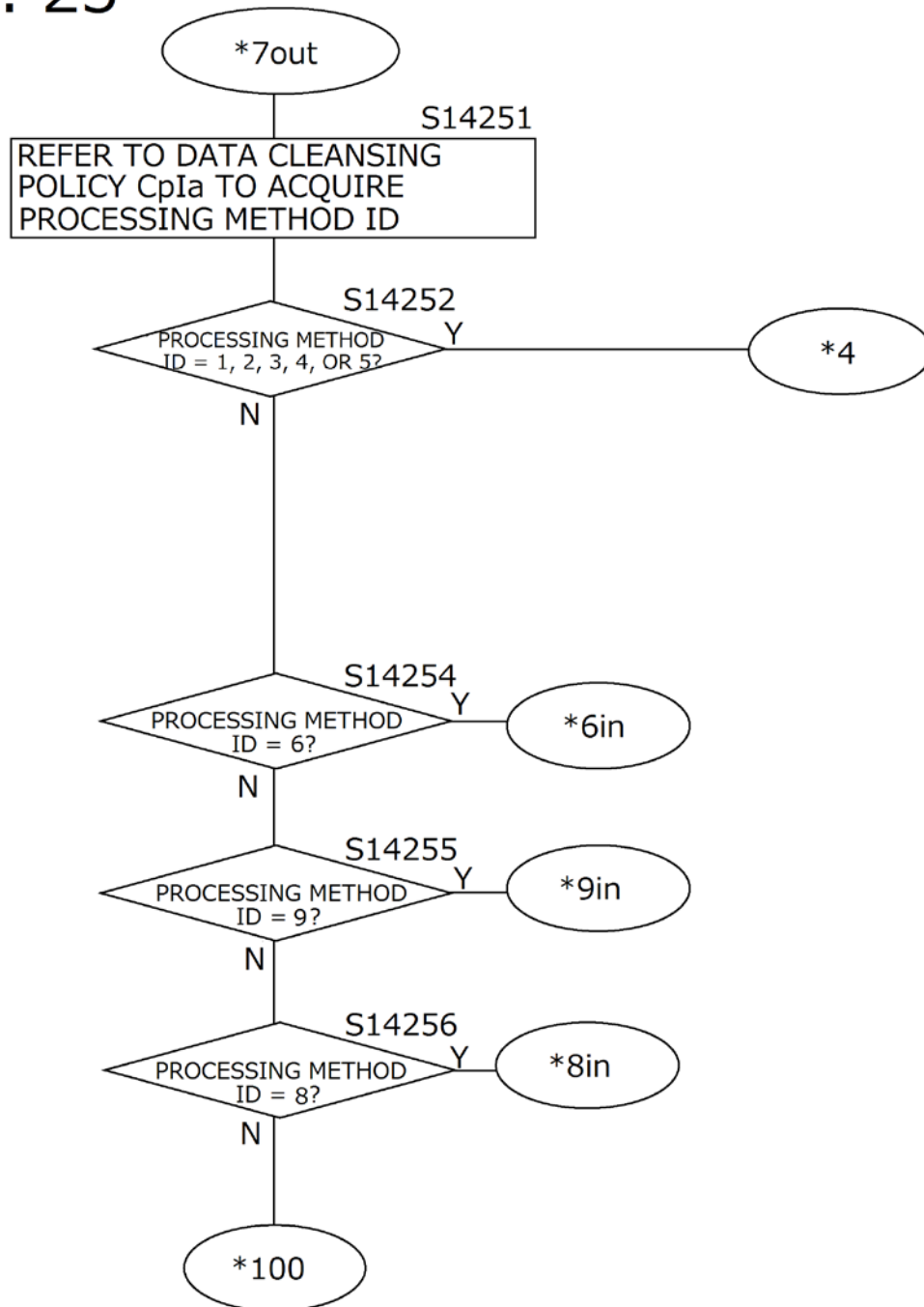


FIG. 24

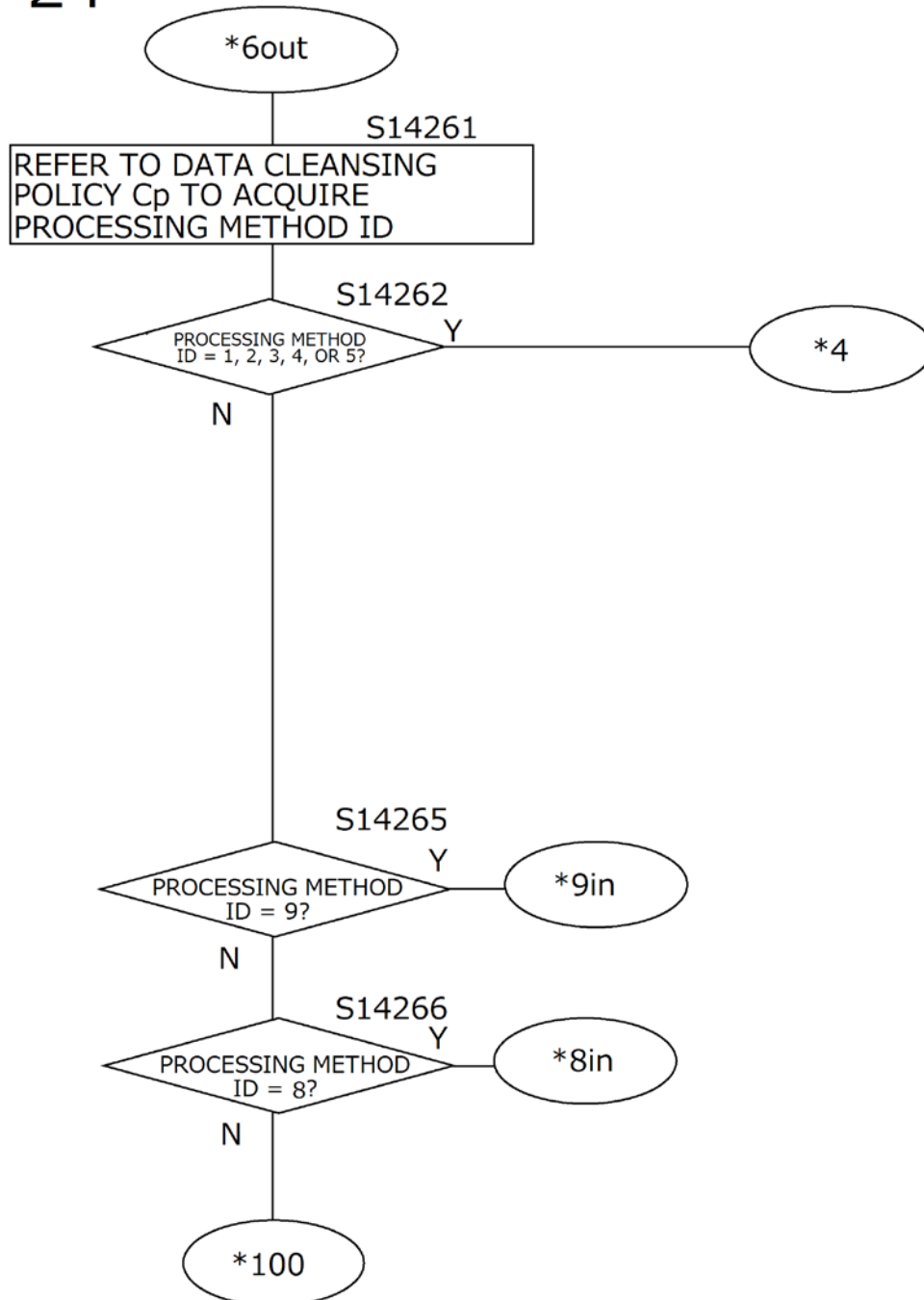


FIG. 25

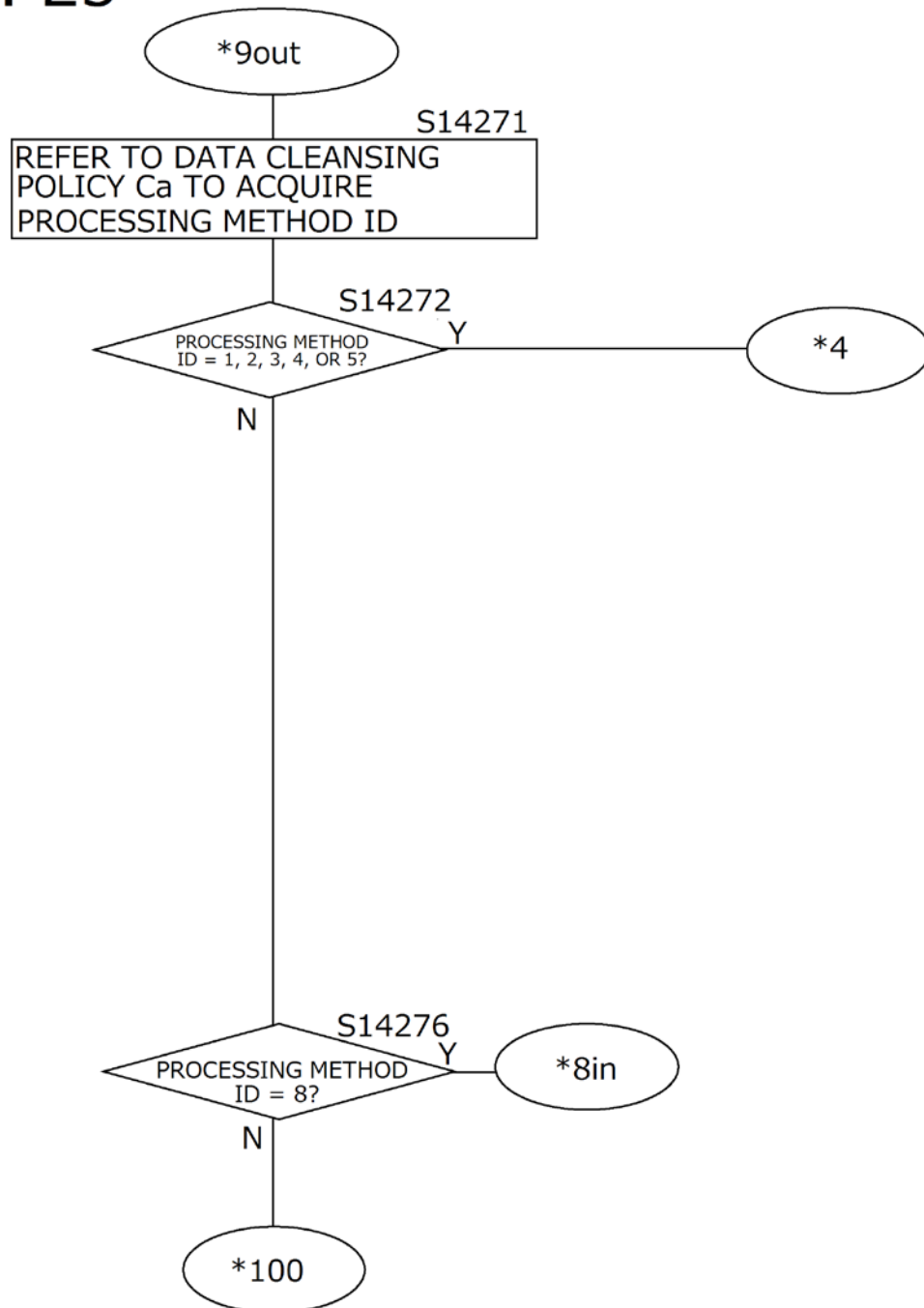


FIG. 26

