

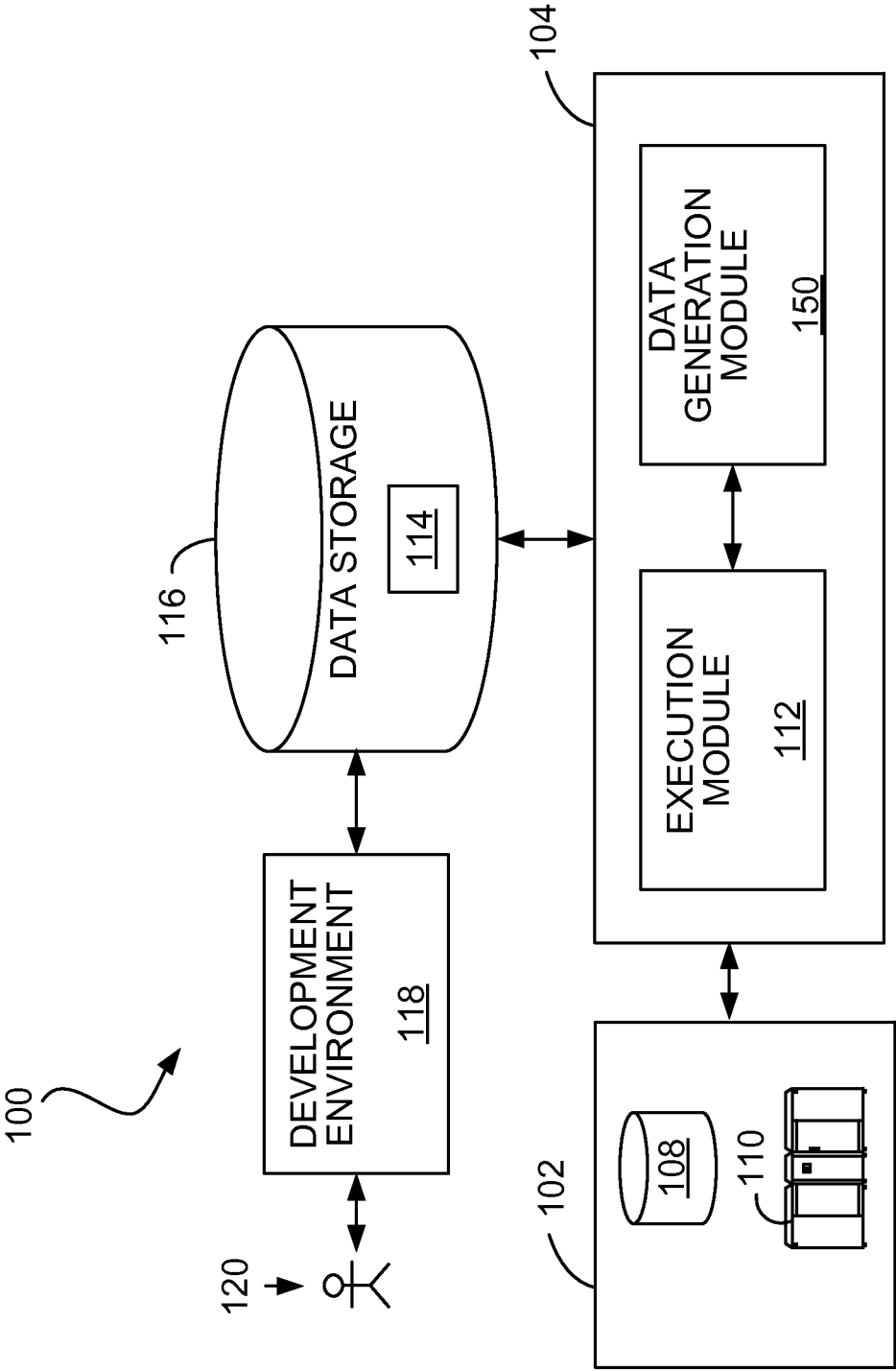


FIG. 1

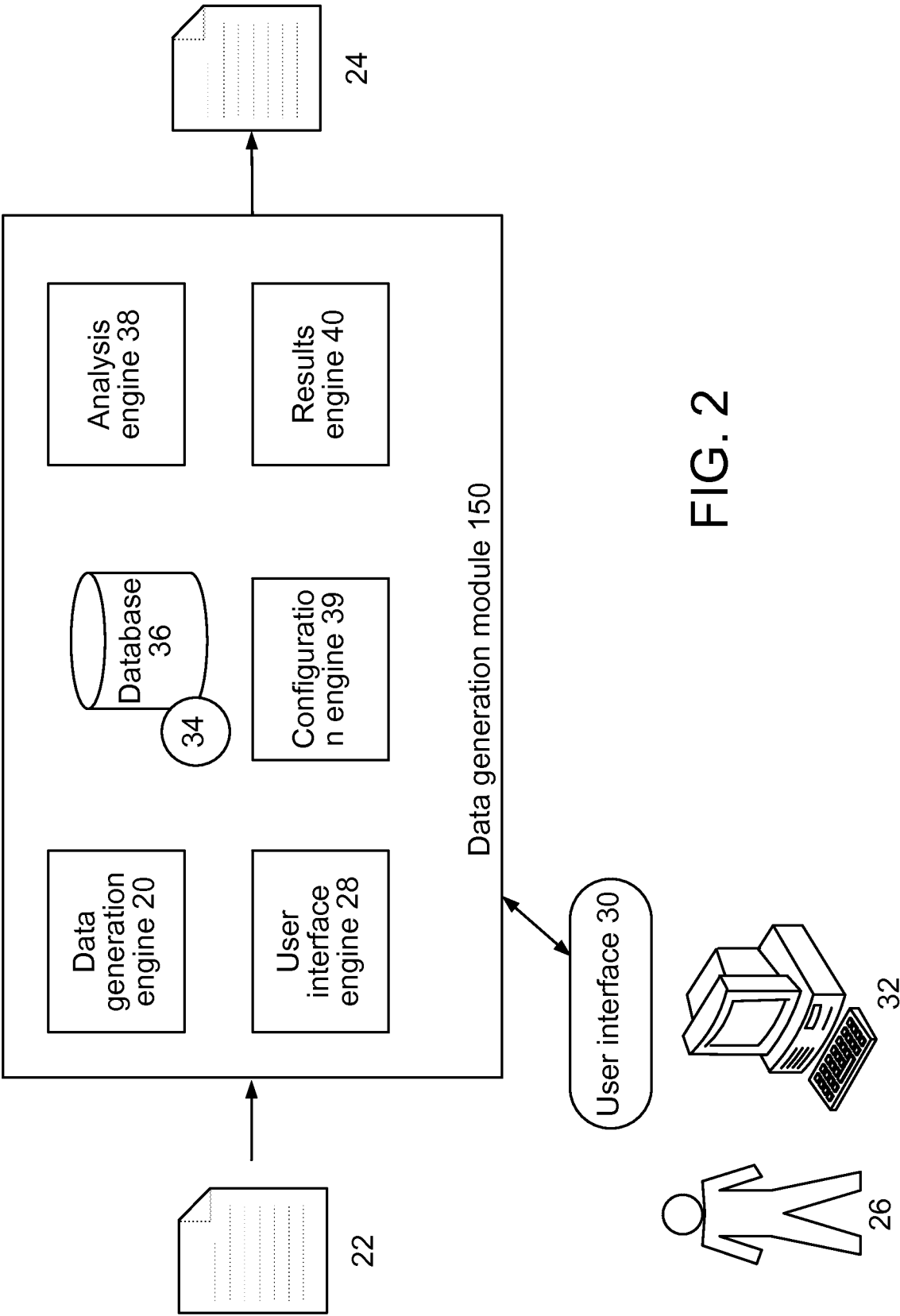


FIG. 2

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200

204 206 208 210

202

cust_ID	name	cust_age	state
21324	Jane Smith	28	MA
45621	Harry White	45	NY
21354	Sarah Chen	31	MA
56324	Sally Harris	34	RI
54326	Mary Jones	38	CT
43215	Mike Johnson	29	MA

FIG. 3A

220

204 206 208 210

222

222a

cust_ID	name	cust_age	state
21324	Jane Smith	28	MA
45621	Harry White	25	NY
21354	Sarah Chen	31	MA
56324	Sally Harris	34	RI
54326	Mary Jones	38	CT
43215	Mike Johnson	29	MA

FIG. 3B

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230

232

204 206 208 210 234 236

cust_ID	name	cust_age	state	Age_range	Cust_income
21324	Jane Smith	19	MA	18-25	\$20,467
45621	Harry White	45	NY	40-55	\$45,326
21354	Sarah Chen	31	MA	25-40	\$60,245
56324	Sally Harris	34	RI	25-40	\$98,760
54326	Mary Jones	38	CT	25-40	\$85,198
43215	Mike Johnson	29	MA	25-40	\$70,870

FIG. 3C

240

202 242

204 206 208 210

cust_ID	name	cust_age	state
21324	Jane Smith	28	MA
45621	Harry White	45	NY
21354	Sarah Chen	31	MA
56324	Sally Harris	34	RI
54326	Mary Jones	38	CT
43215	Mike Johnson	29	MA
54321	Erin Davis	48	MA
56532	GinaSimons	60	NY
32423	Beth Philips	55	CA
43218	David O'Brien	51	NH

FIG. 3D

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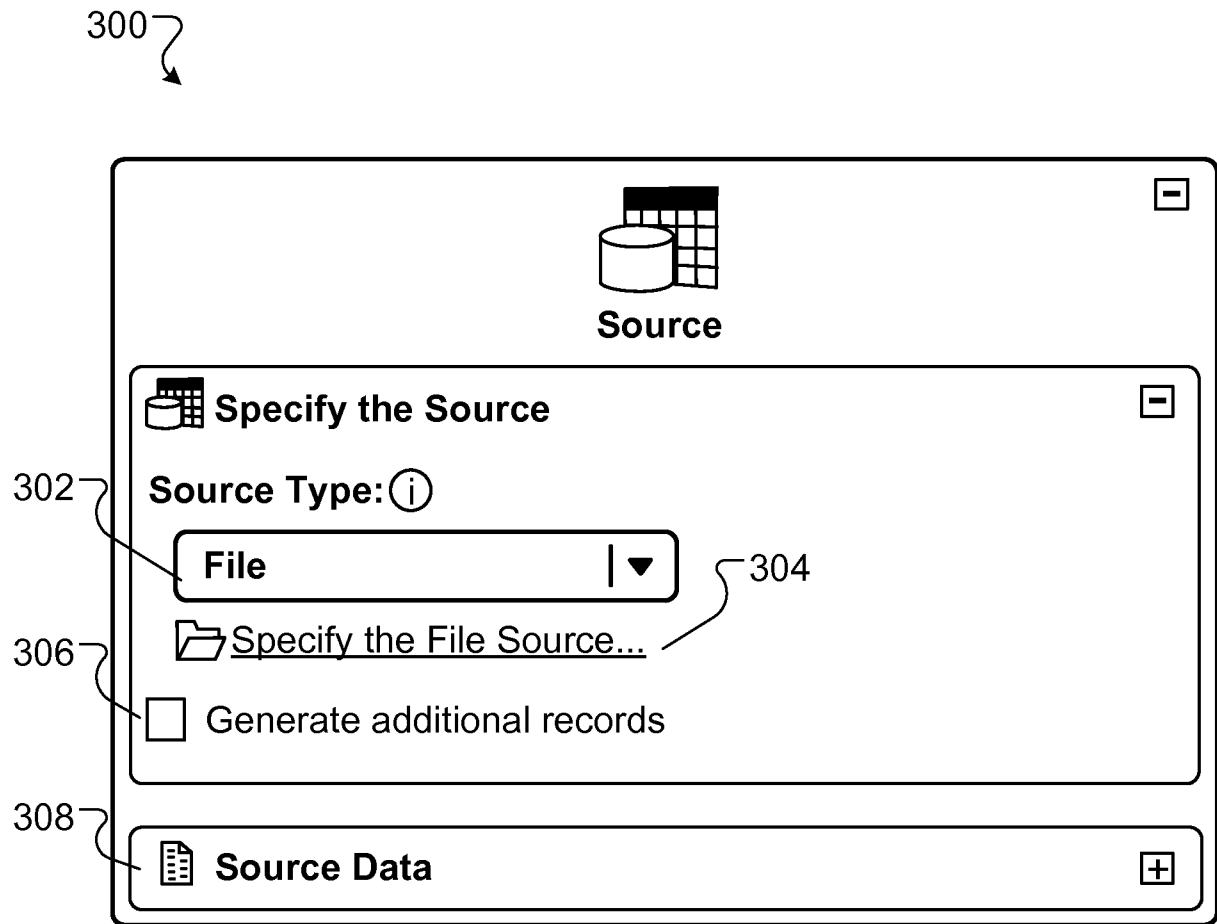


FIG. 4

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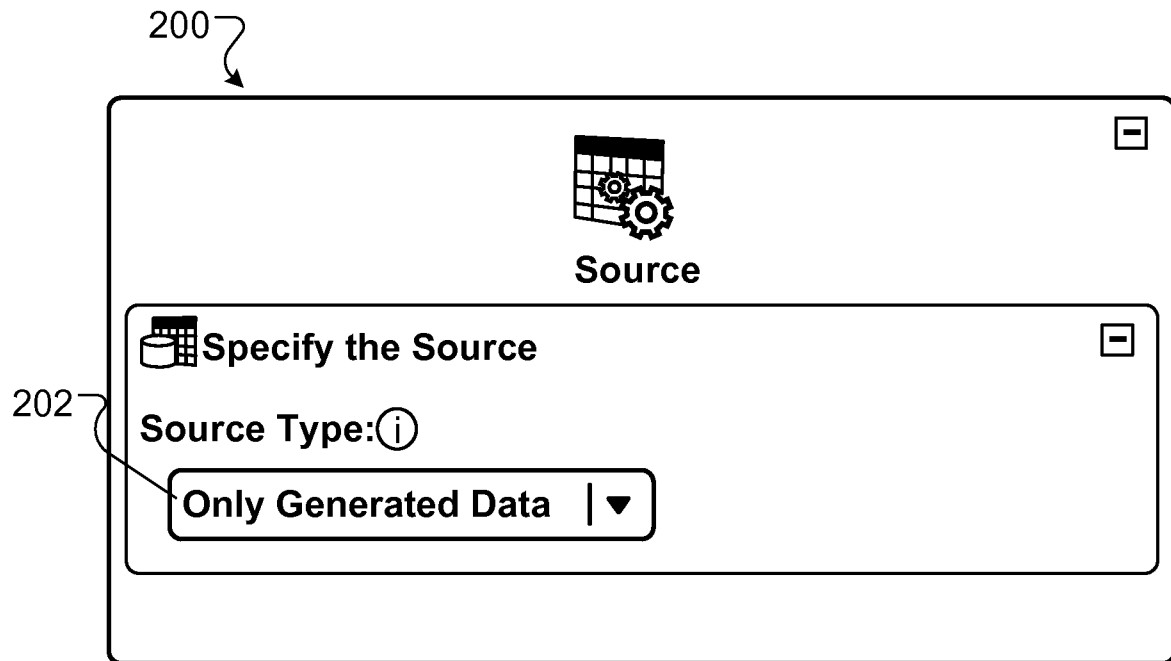


FIG. 5A

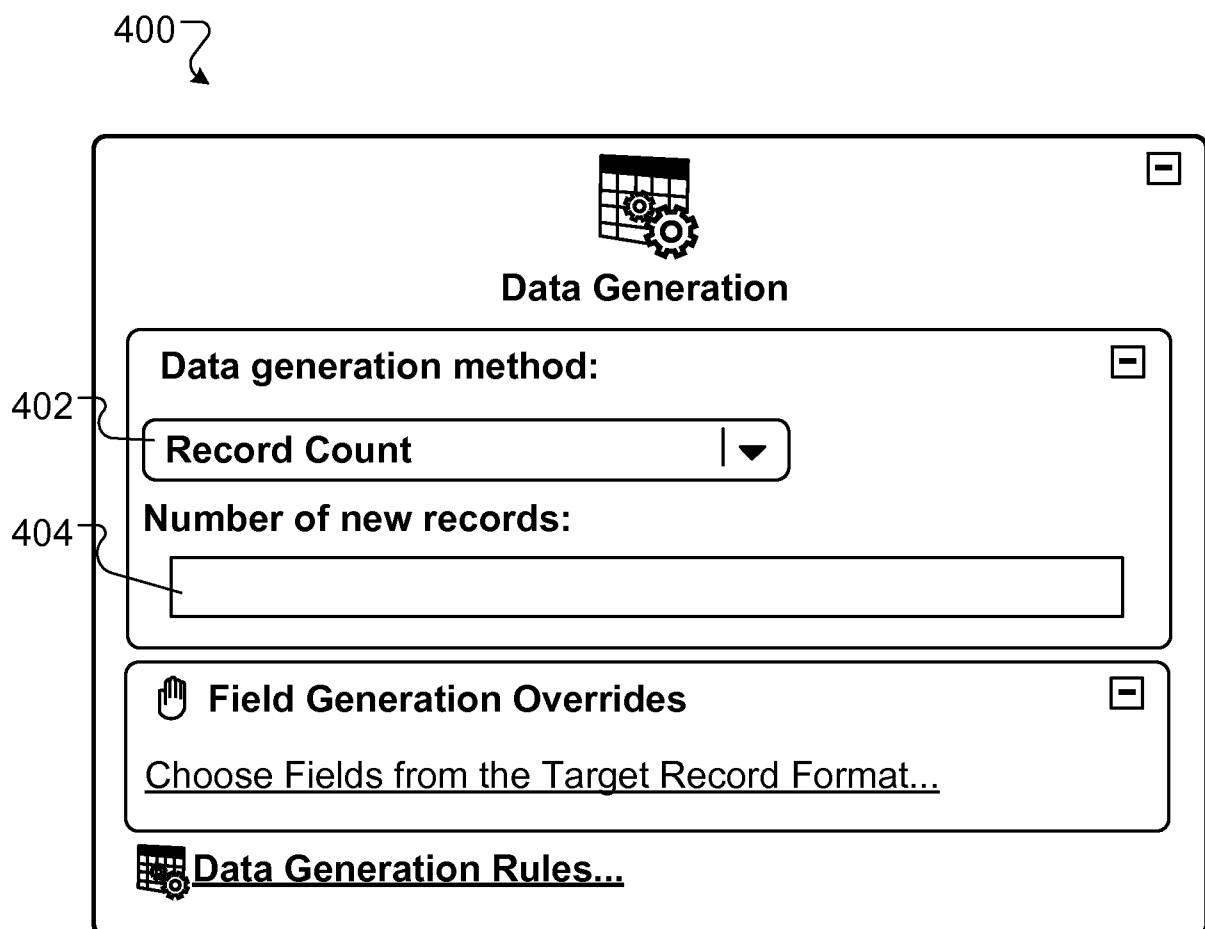


FIG. 5B

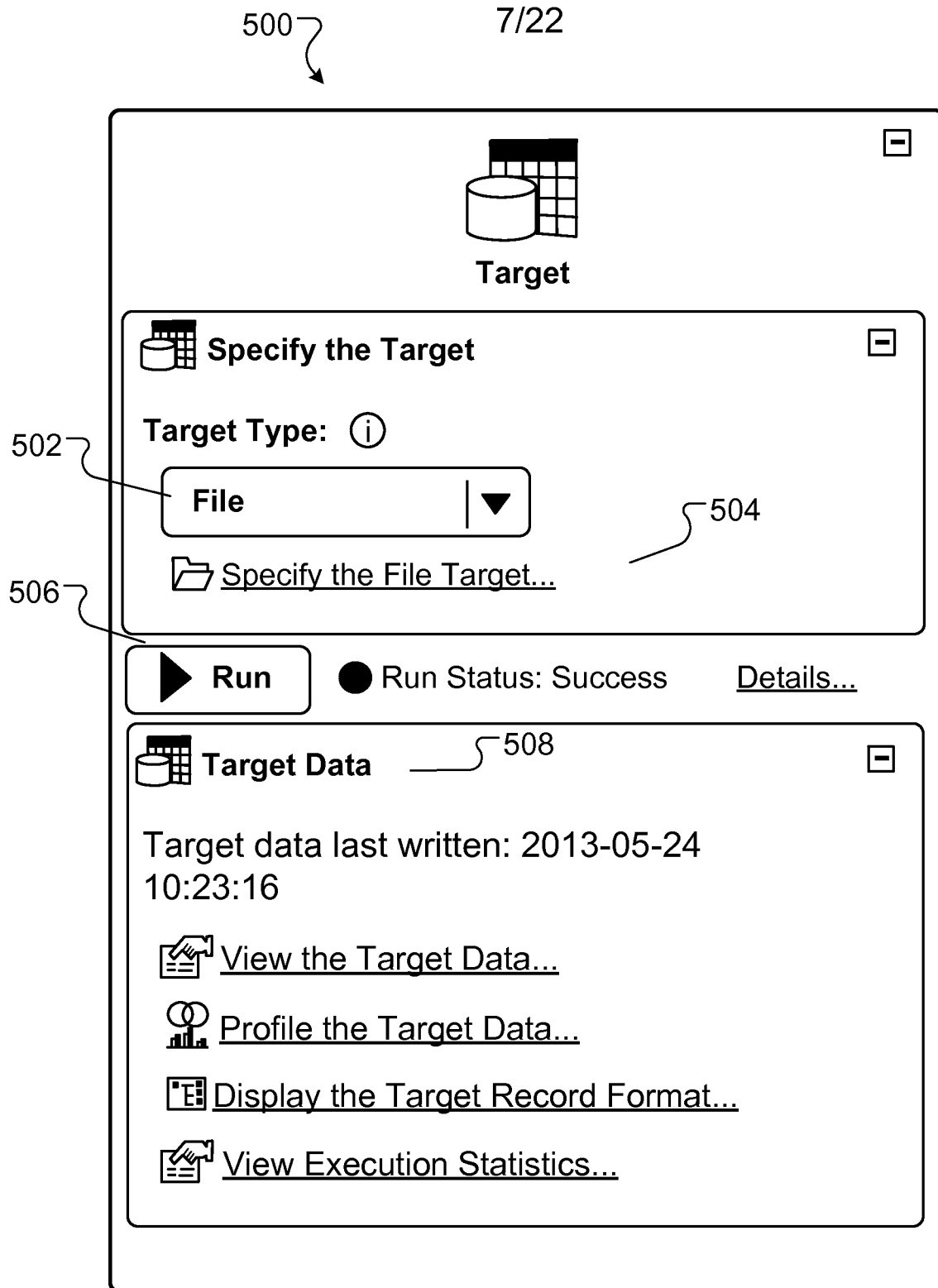


FIG. 6

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600

Existing Data File Details (X)

602 **Existing Data File Path:**

Browse...

604 **Existing Data File DML:**

Browse...

☐ Deduplicate the existing data file by key

606 **Number of records to generate per input record in the existing dataset (specify as <min> to <max>, or <exact?> to <exact>)** (i)

1

608 **Nonproducing percentage:** (i)

0

OK Cancel

FIG. 7

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700 2

ⓧ

Target Record Format

Notes:

Fields in the target record format but not in the source record format are marked with double asterisks (**).
Fields in the source record format but not in the target record format are not shown.

Ordered List:

Input Items:

Filter...ⓧ

custid (decimal)

fname (string)

lname (string)

place (string)

building_num (decimal)

preferred (decimal)

newline (string)

last_transaction (datetime) **

customer_since (date) **

702

Add>

<Remove

<<Remove All

Move Up

Move Down

selected items:

custid (decimal)

fname (string)

lname (string)

building_num (decimal)

704

Apply

OK

Cancel

FIG. 8

SUBSTITUTE SHEET (RULE 26)

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800

Optional generation characteristics

802 **Average string length (up to 10 characters)** ⓘ
8

804 **Maximum string length (up to 10 characters)** ⓘ
10

806 **Allowable characters (default is a-z, A-Z and 0-9)** ⓘ

808 **Percentage of NULL values (default is 0)** ⓘ
0

FIG. 9

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900

Optional generation characteristics 

The allowed value range is: -999999999999 to 999999999999 (i) 902

0 to 1000

Percentage of NULL values (default is 0%) (i) 904

0

FIG. 10

180

Optional generation characteristics 

The allowed value range is: -2147483648 to 2147483647: (i)

0 to 127

182

FIG. 11

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190

Optional generation characteristics

Date Range Metric: 192

Date basis (Form is YYYYMMDD) ⓘ

194

TODAY

Range is -7 to -1 Months) ⓘ

196

-7 to -1

Percentage of blank values (default is 1%) ⓘ

198

FIG. 12

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250

Default datetime characteristics [-]

Datetime Range Metrid:

252 ▼

Datetime Basis (Use NOW for current datetime) ⓘ

254

Datetime Range (Default is '-7 to 0' Days) ⓘ

256

Percentage of blank or NULL values (default is 0%) ⓘ

258

FIG. 13

state_cd

Specify the generation method for state_cd:

List of Values

A comma-separated list of values

Spaces are allowed:

MA,CT,RI,VT,ME,NH

FIG. 14A

Filter Output Name...					
Output/Internal Name				Expression / Rule	
12	employee_id				in.employee_id
A	firstname				in.firstname
A	lastname				in.lastname
A	state_cd				in.state_cd
A	state_name				Compute state_name

FIG. 14B

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360

Rule: Compute state_name

	Trigger (Only the first true case will fire)	Output
	▷ state_cd (CT)	▷ state_name (Connecticut)
1	"CT"	"Connecticut"
2	"MA"	"Massachusetts"
3	"RI"	"Rhode Island"
4	"ME"	"Main"
5	"VT"	"Vermont"
6	"NH"	"New Hampshire"
*	any	Auto Map: state_name

FIG. 14C

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450

income

Specify the generation method for income:

Random

Optional generation characteristics

Value range (This data type allows-9999999999999999 to 9999999999999999) ⓘ

10000 to 480000

Percentage of blank values (default is 0) ⓘ

0

452

FIG. 15A

454

Filter Output Name... ⓘ			
	Output/Internal Name		Expression / Rule
1	employee_id		in.employee_id
2	firstname		in.firstname
3	lastname		in.lastname
4	state_cd		in.state_cd
5	state_name		Compute state_name
6	income		in.income
7	tax_rate		Compute tax_rate

456

458

FIG. 15B

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460

Rule: Compute state_rate

	Trigger (Only the first true case will fire)	Output
	▷ income	▷ tax_rate
1	< 8925	10
2	< 36250	15
3	< 87850	25
4	< 183250	28
5	< 398350	33
6	< 400000	35
*	any	Default Variable Expression: 39.6

462

FIG. 15C

550

Inputs		Filter Output Name...	552			
		(X)				
Output/Internal Name				Expression / Rule		Computed Value
12 employee_id (1)				in.employee_id		1
A firstname (agFMdsxa)				firstname + " lastname"		Jackie Norris
A state_cd (RI)				in.state_cd		RI
A state_name (Rhode Island)				in.state_name		Rhode Island
12 income (460983)				in.income		460983
12 tax_rate (39.6)				in.tax_rate		39.6
A ssn (573-05-3583)				in.ssn		573-05-3583
xx_source_dml						
12 employee_id (1)						
A firstname (Jackie)						
A lastname (Norris)						
A state_cd (RI)						
A state_name (Rhode Island)						
12 income (460983)						
12 tax_rate (39.6)						
A ssn (573-05-3583)						

FIG. 16

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Choose field(s) from a_customers that join with a_transactions (X)

Record description:

Filter... (X)

- ☒ custid
- ☐ fname
- ☐ lname
- ☐ place
- ☒ building_num
- ☒ preferred
- ☐ newline

Selected fields:

- ☒ custid

Buttons: Add> <Remove <<Remove All Move Up Move Down

OK Cancel

FIG. 17A

Properties for Joined Dataset a_transactions (X)

a_customers is the parent Test Data Management dataset.

a_customers | ▼

Choose field(s) from a_customer that join with a_transactions:

{custid} Select Fields

Choose field(s) from a_transactions that join with a_customers:

Select Fields

OK Cancel

FIG. 17B

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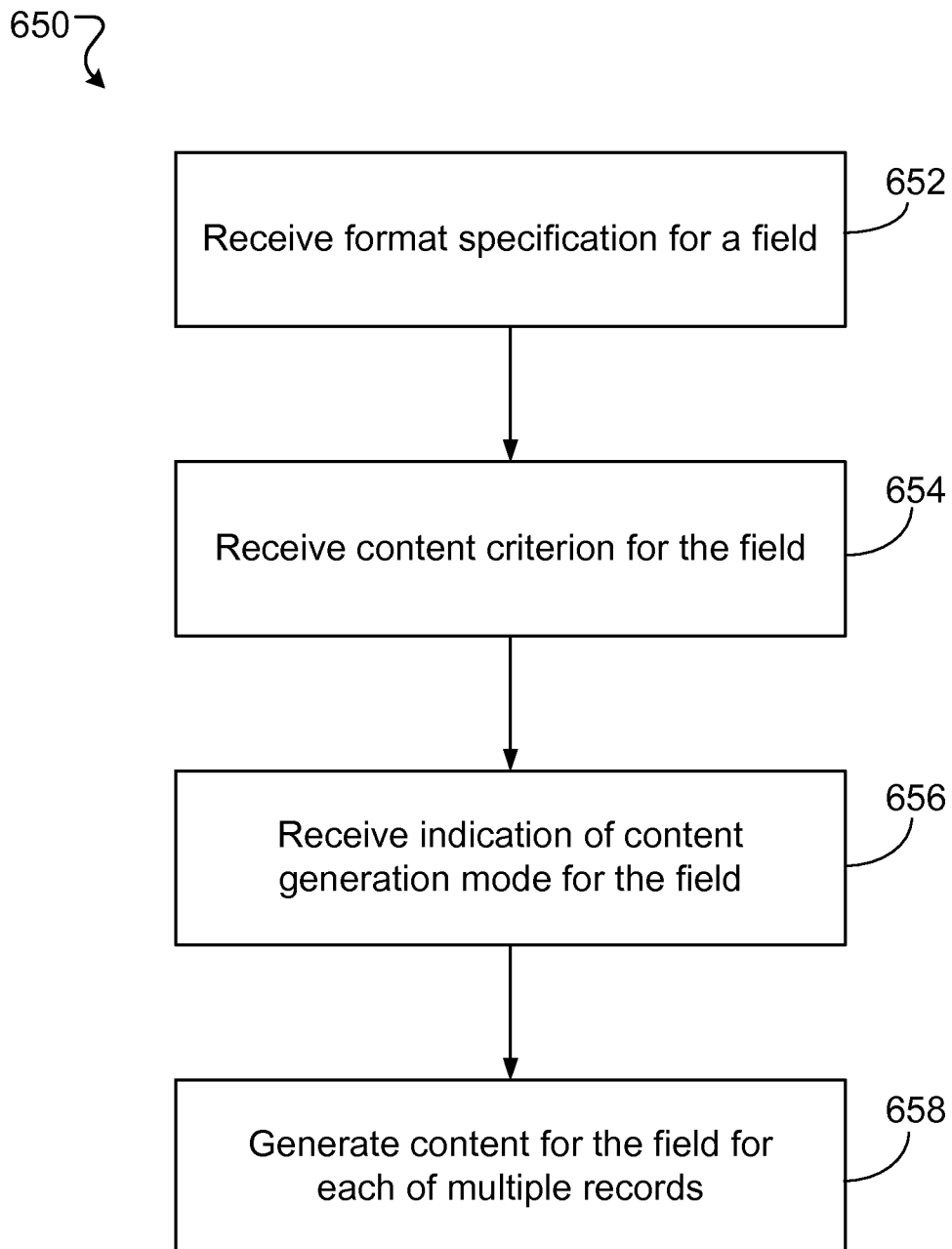


FIG. 18

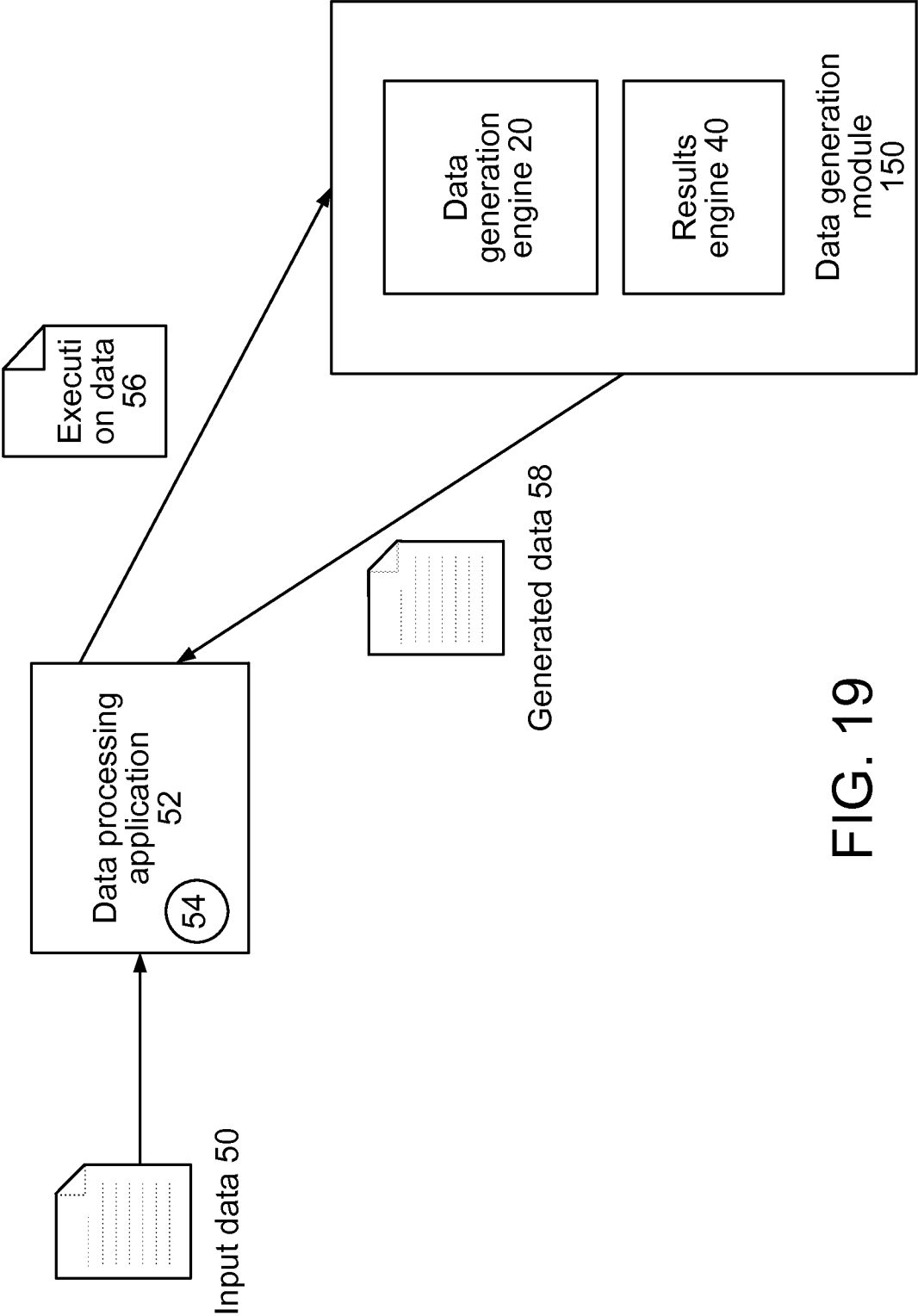


FIG. 19

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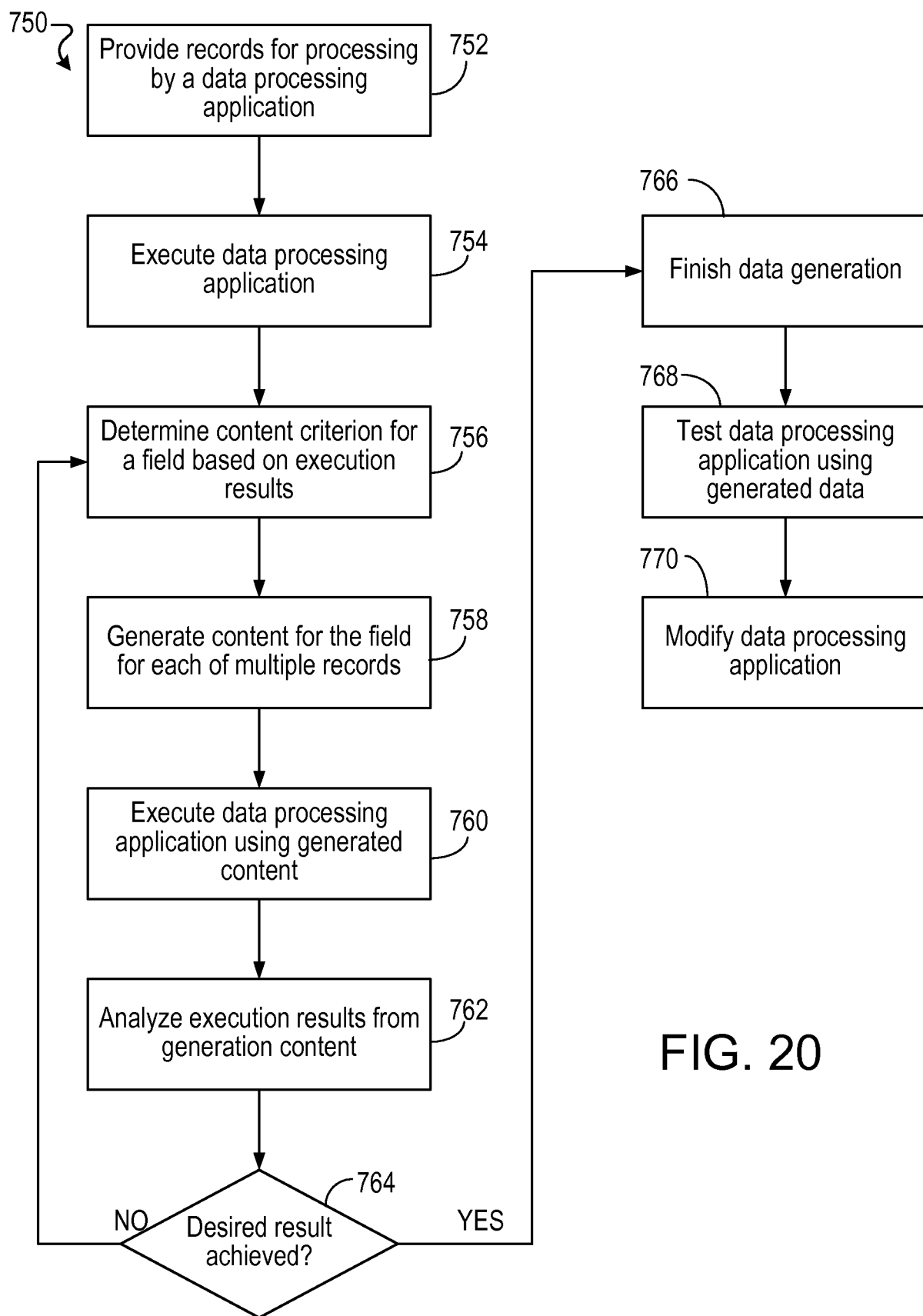


FIG. 20