

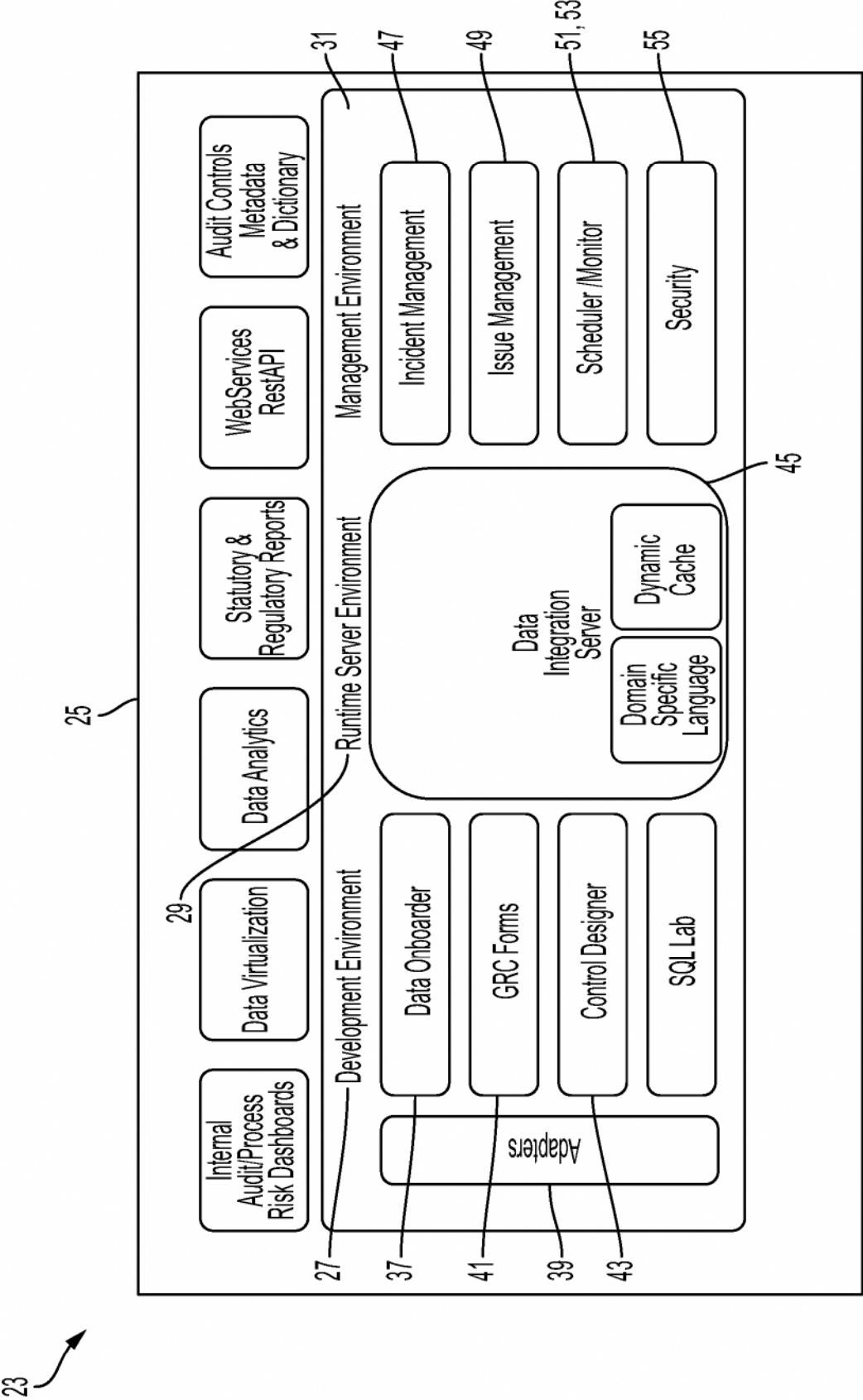


FIG. 1

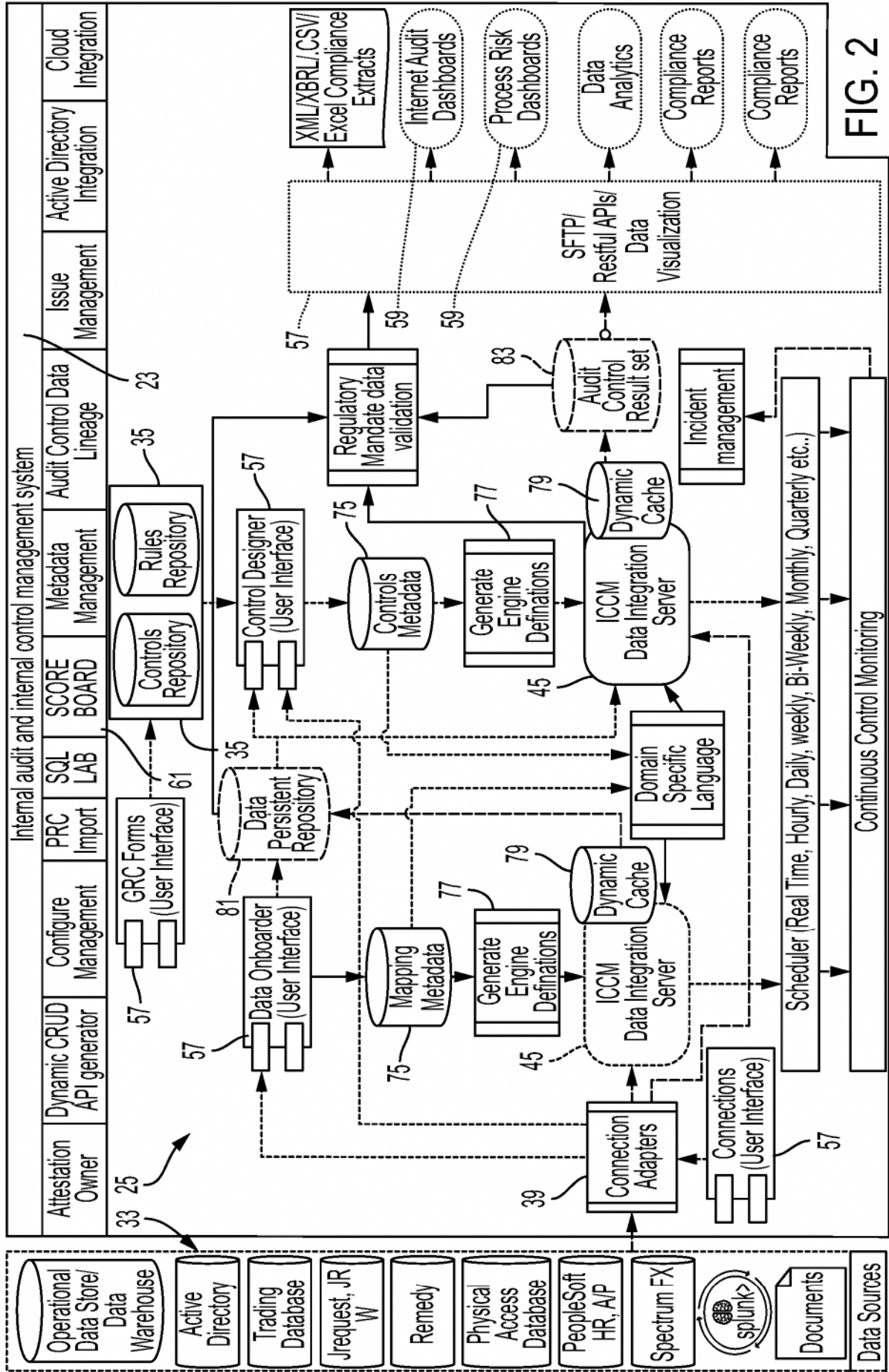


FIG. 2

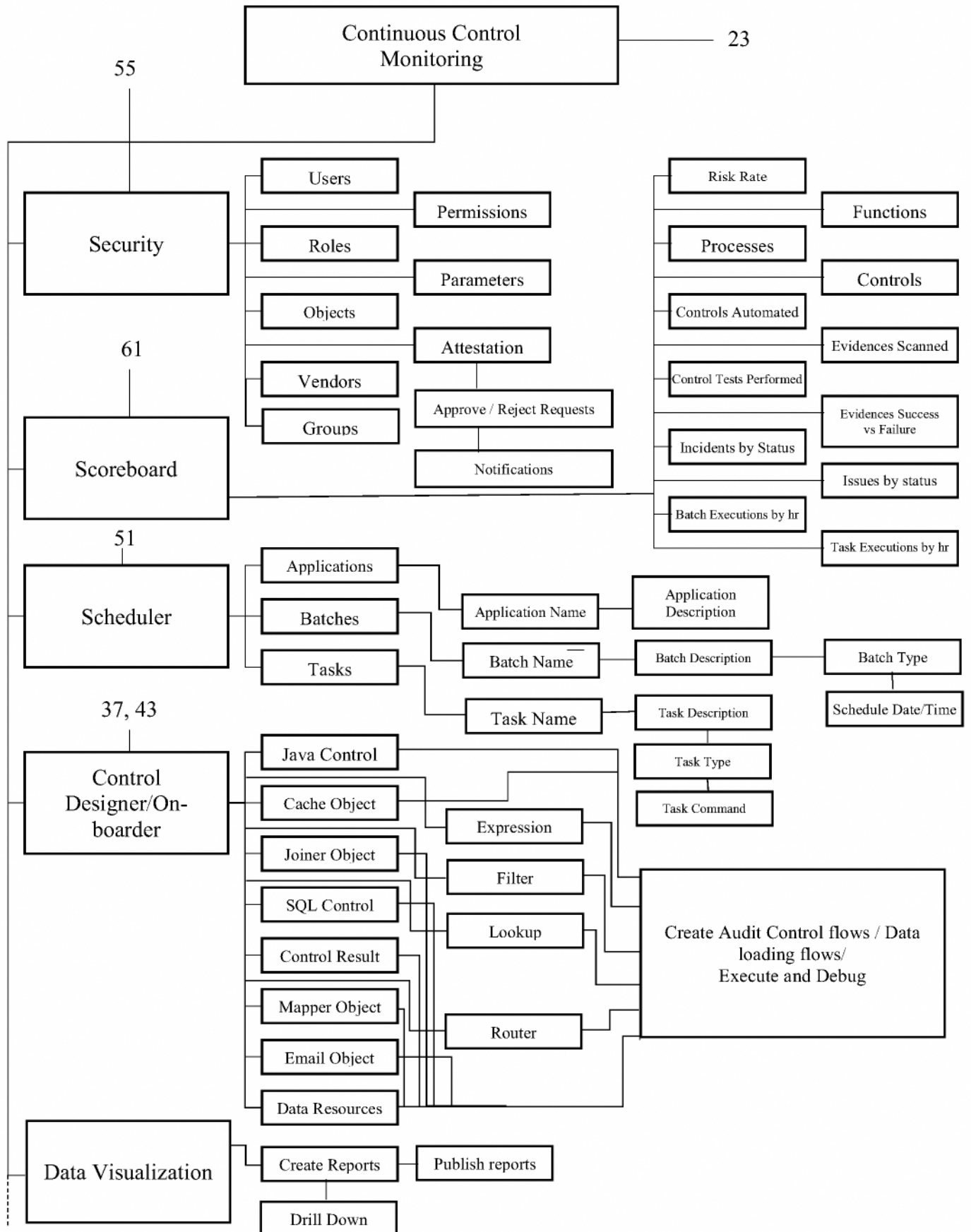
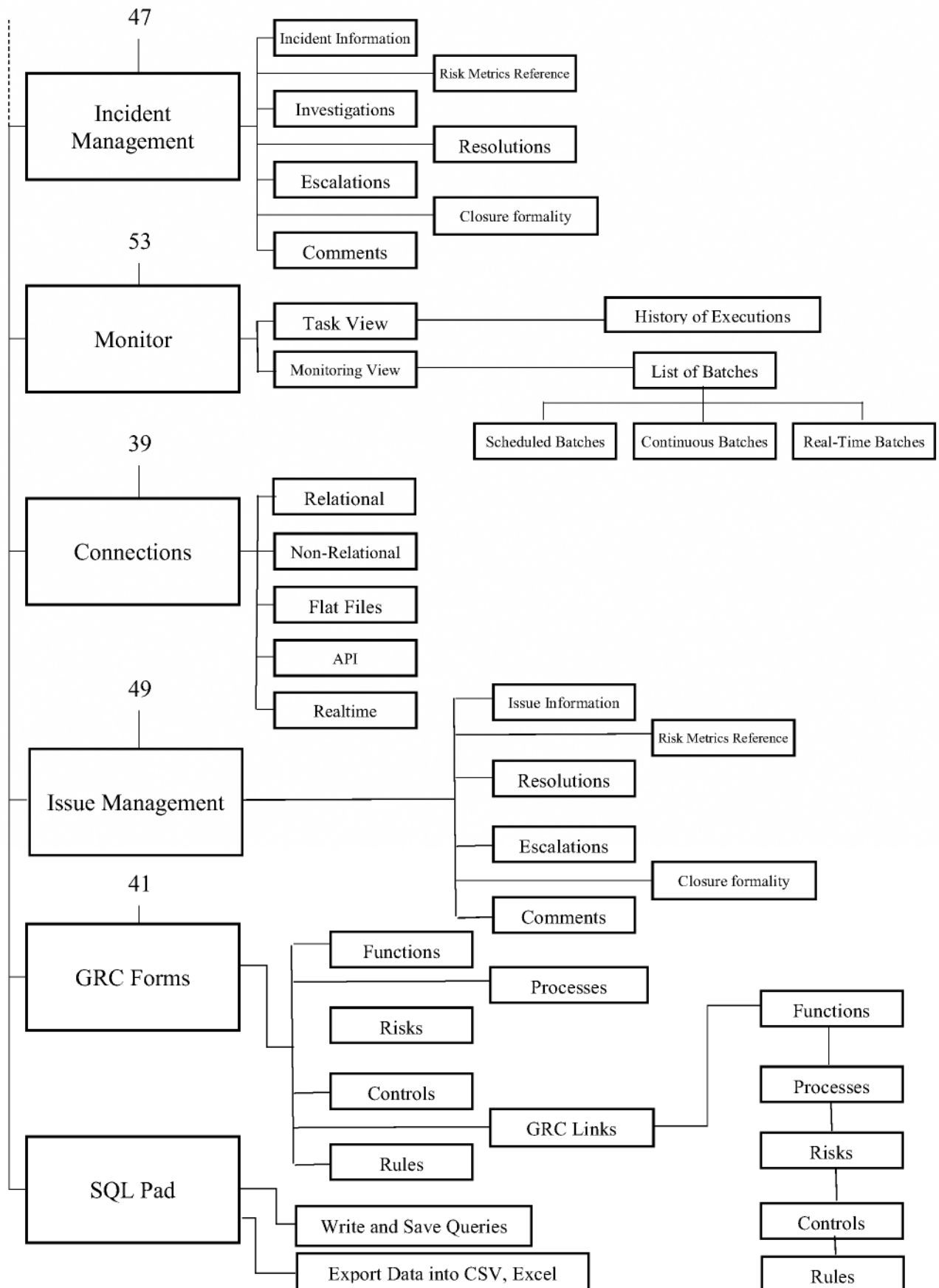
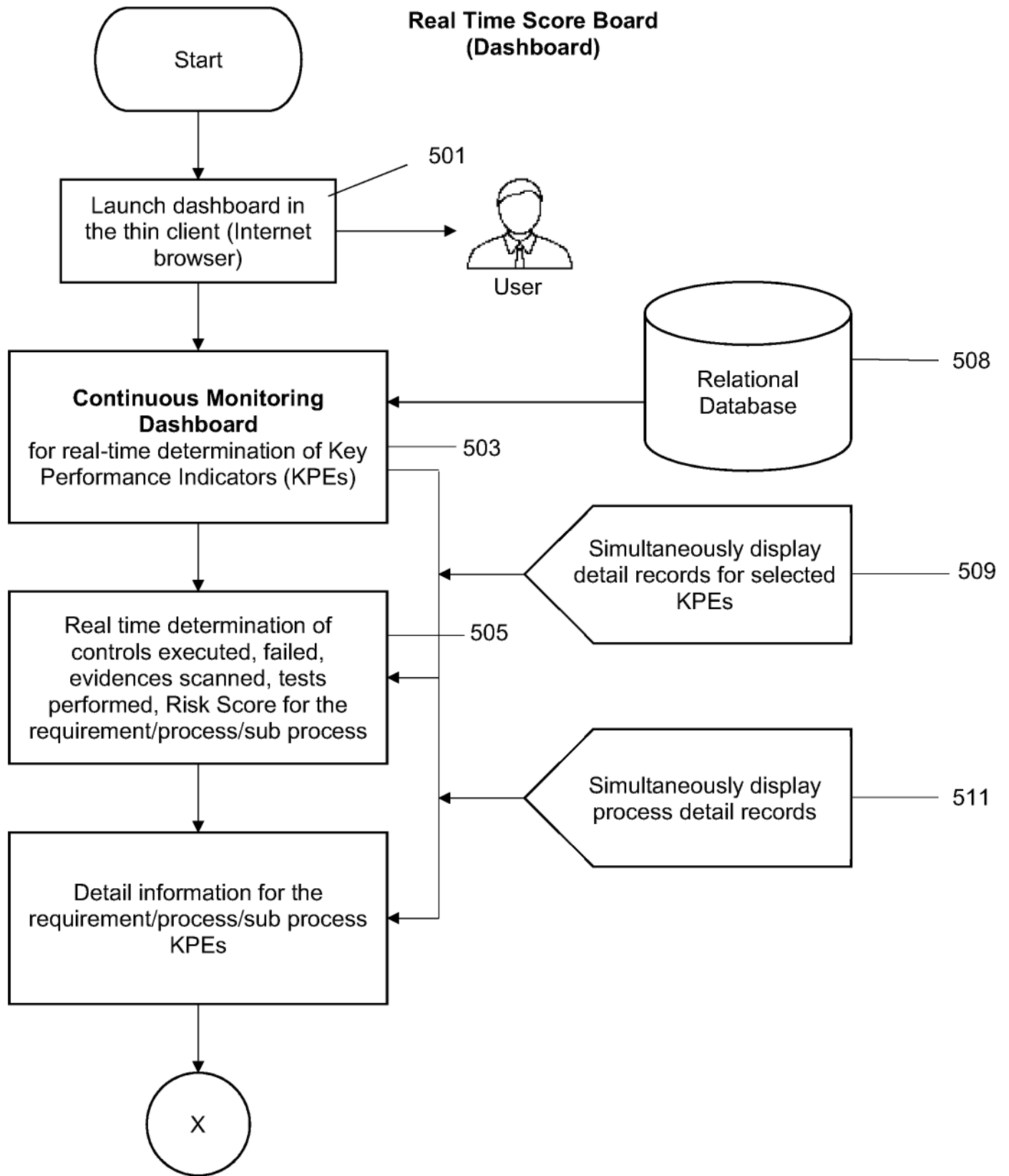
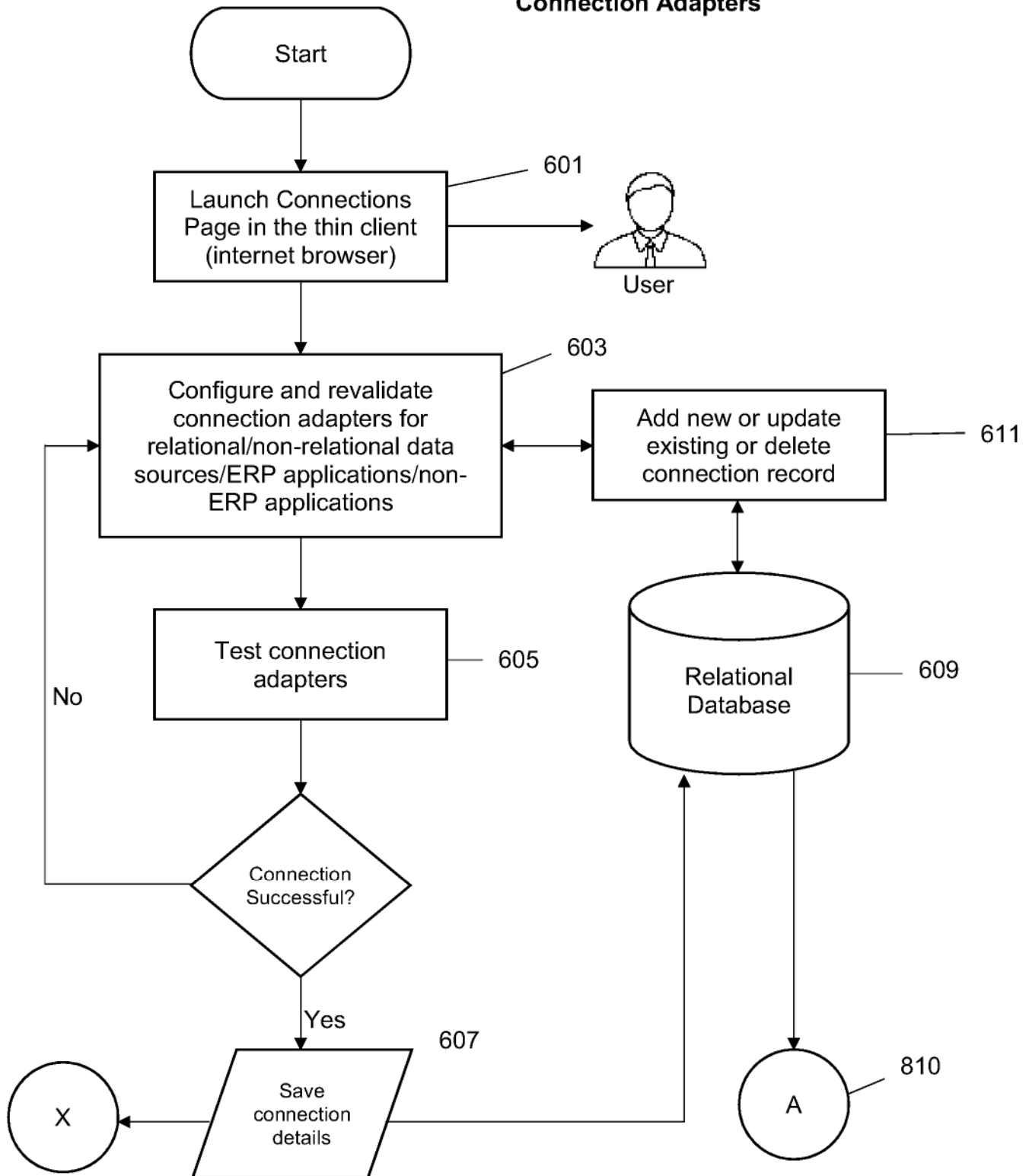


FIG. 3

**FIG. 4**

**FIG. 5**

Connection Adapters**FIG. 6**

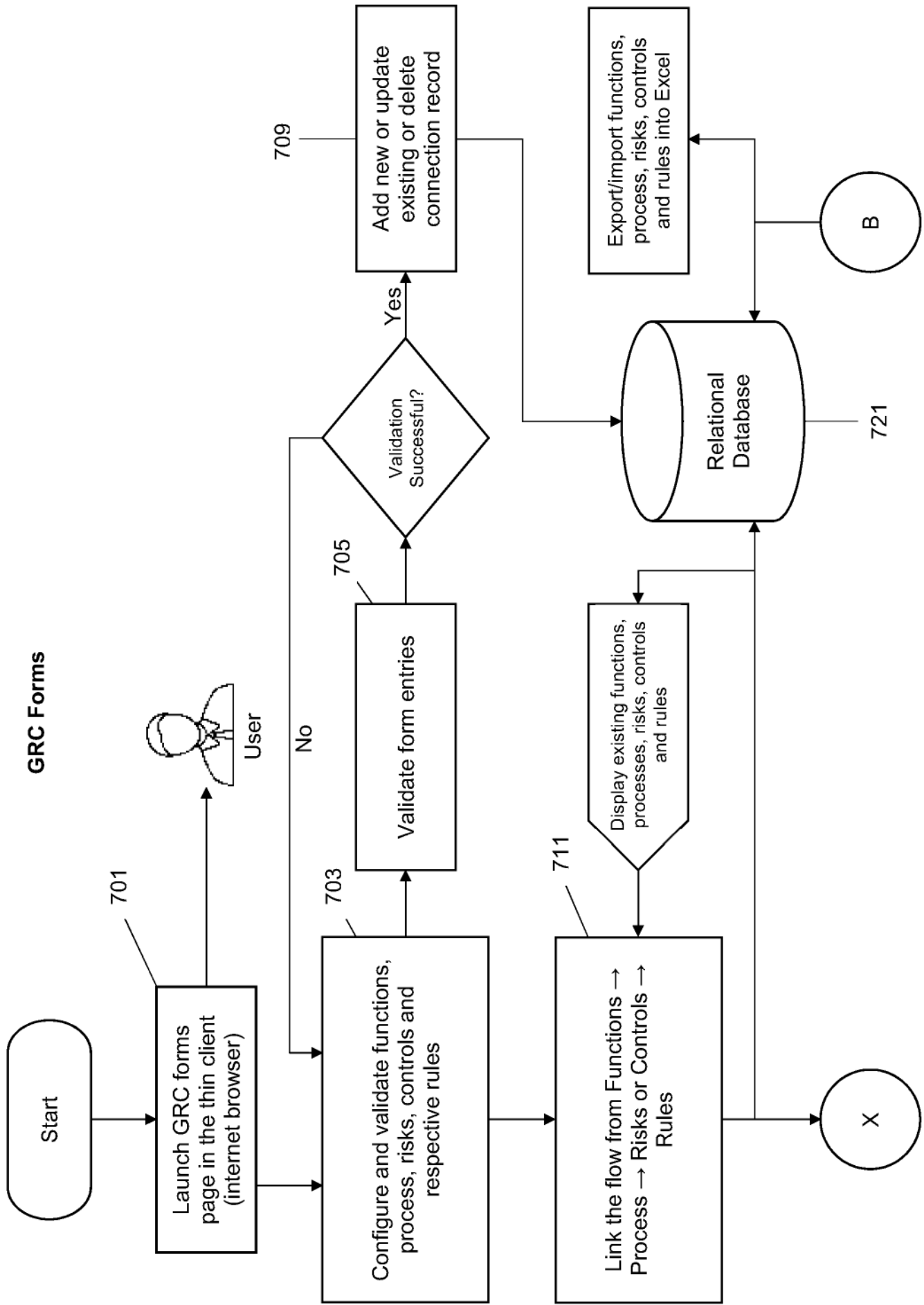
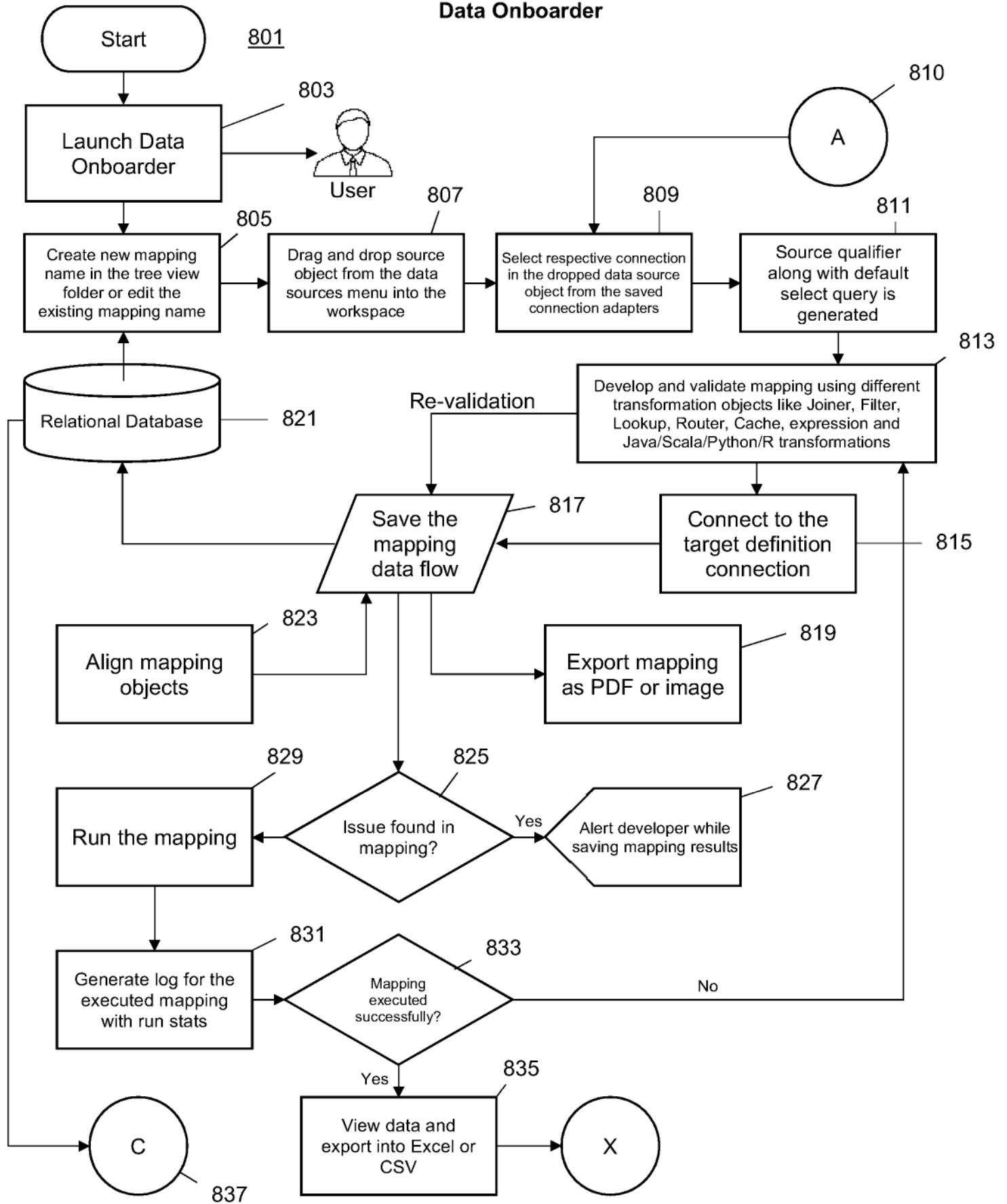


FIG. 7

Data Onboarder**FIG. 8**

Control Designer

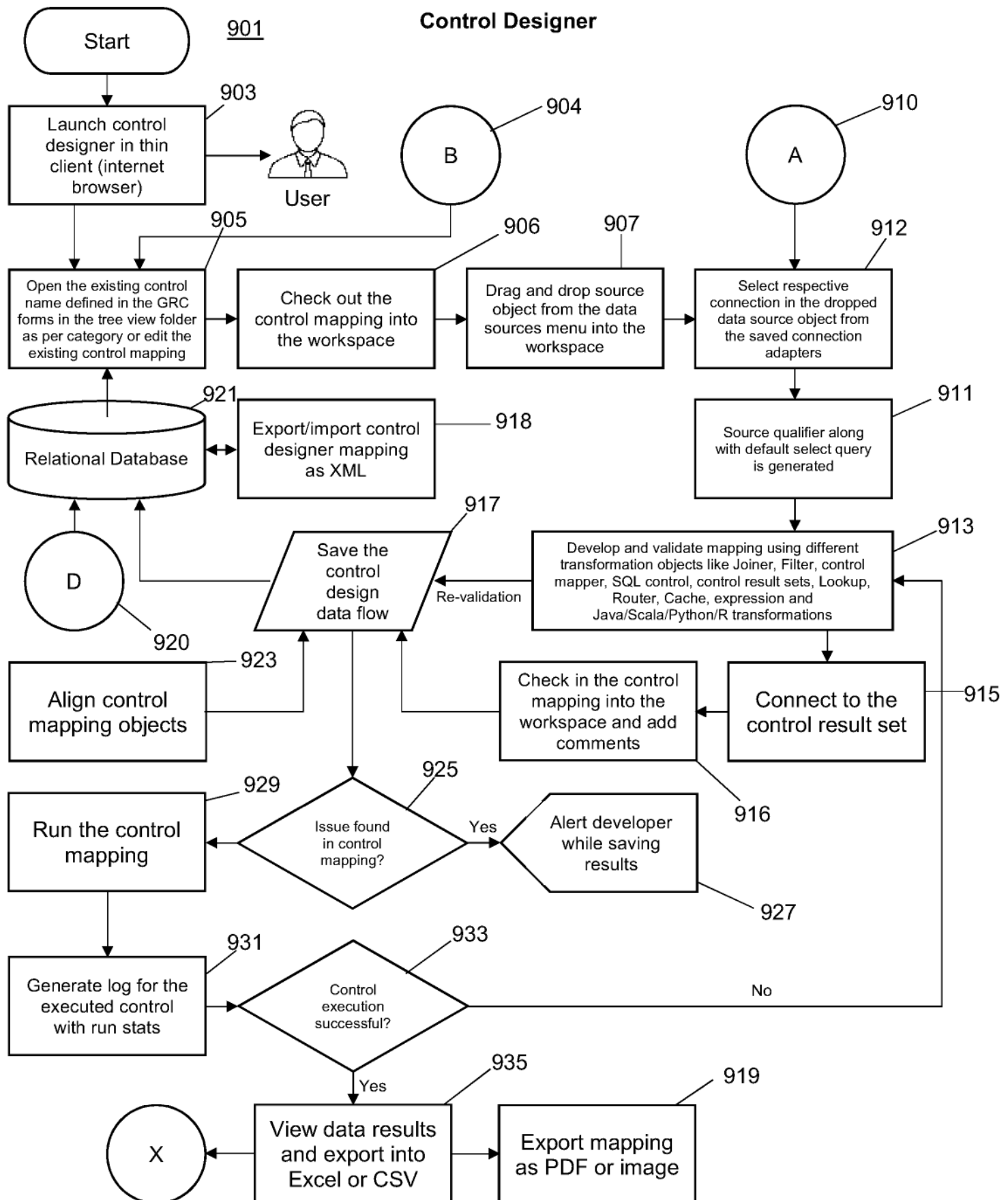


FIG. 9

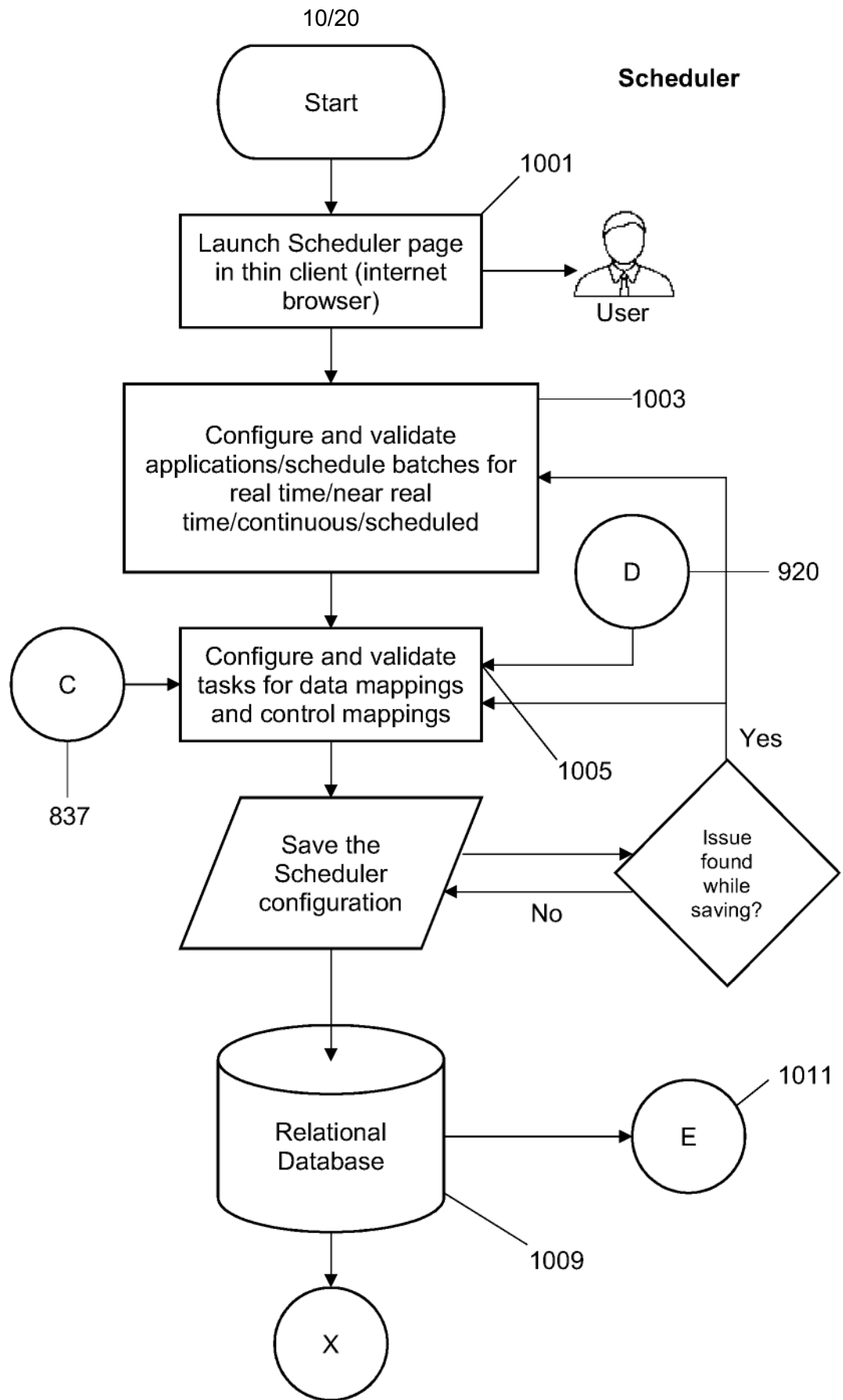


FIG. 10

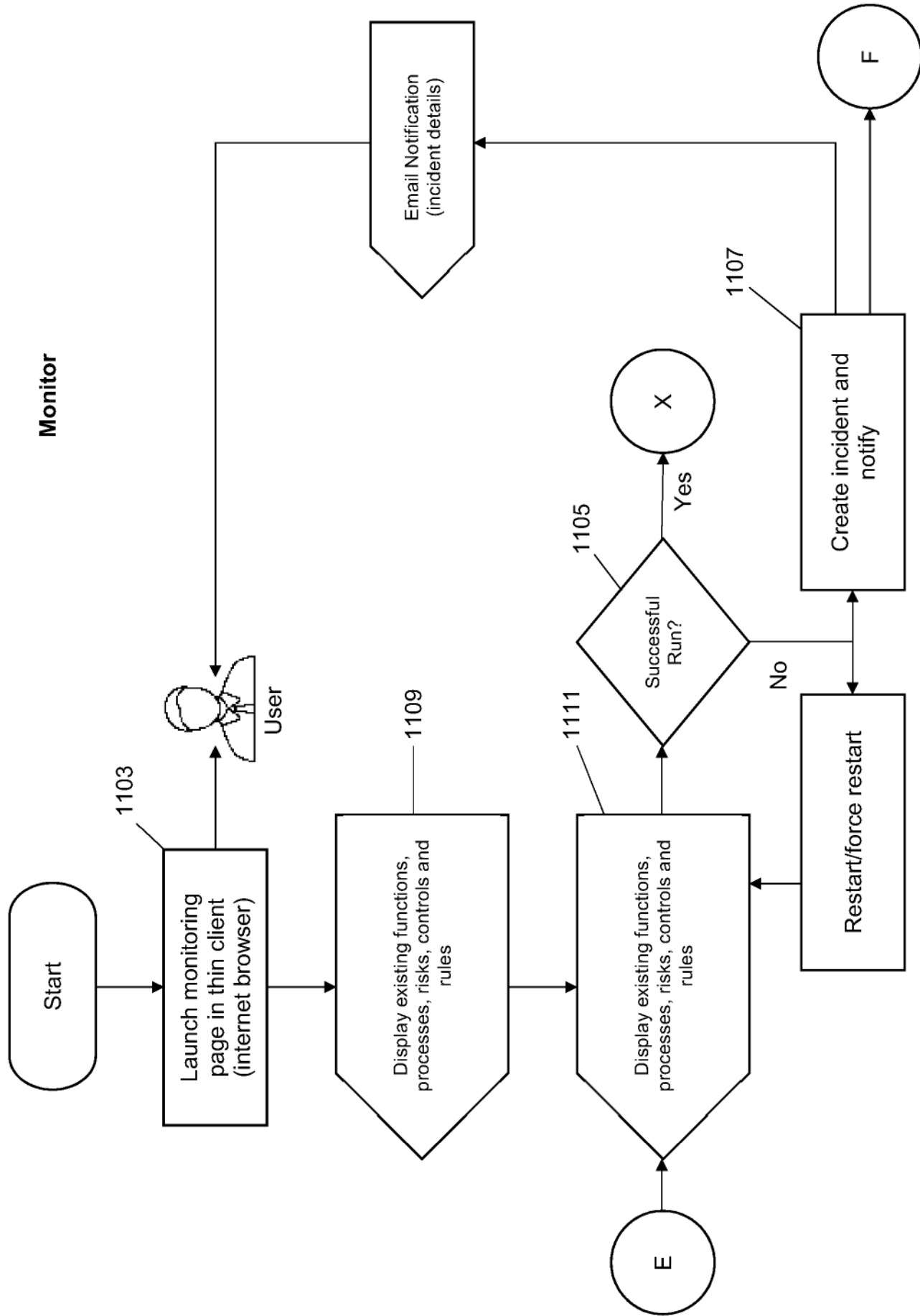


FIG. 11

Incident Management

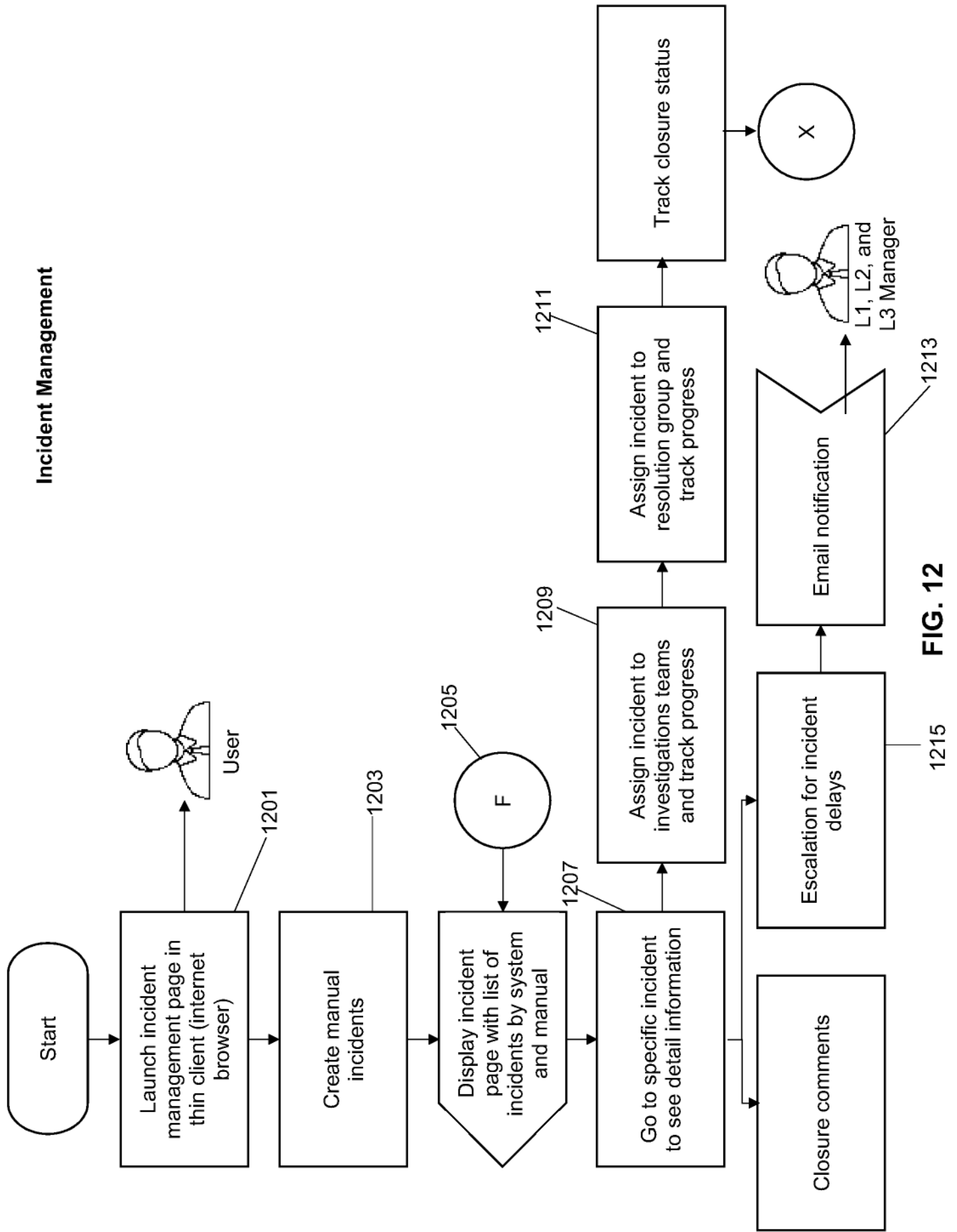


FIG. 12

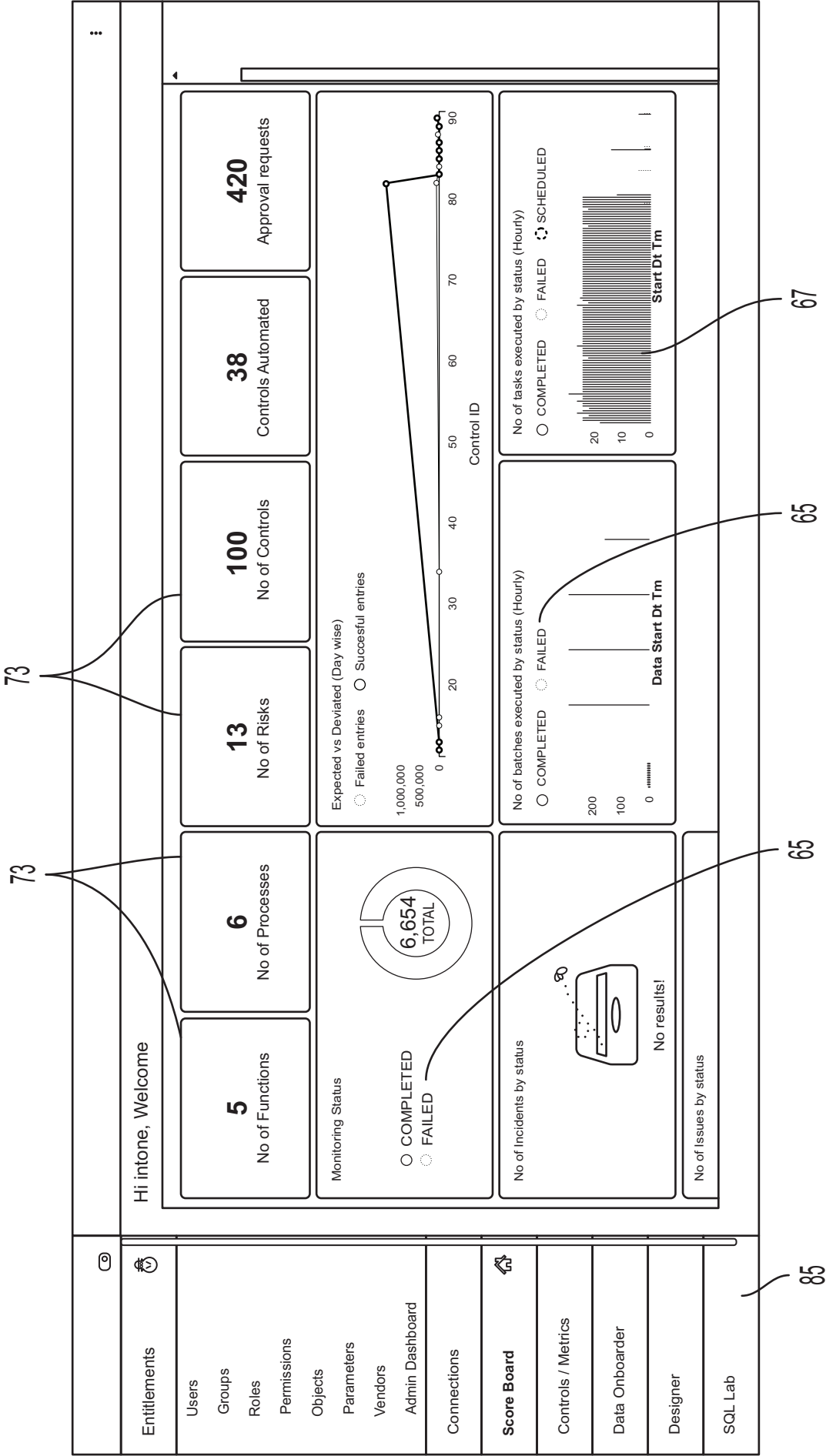
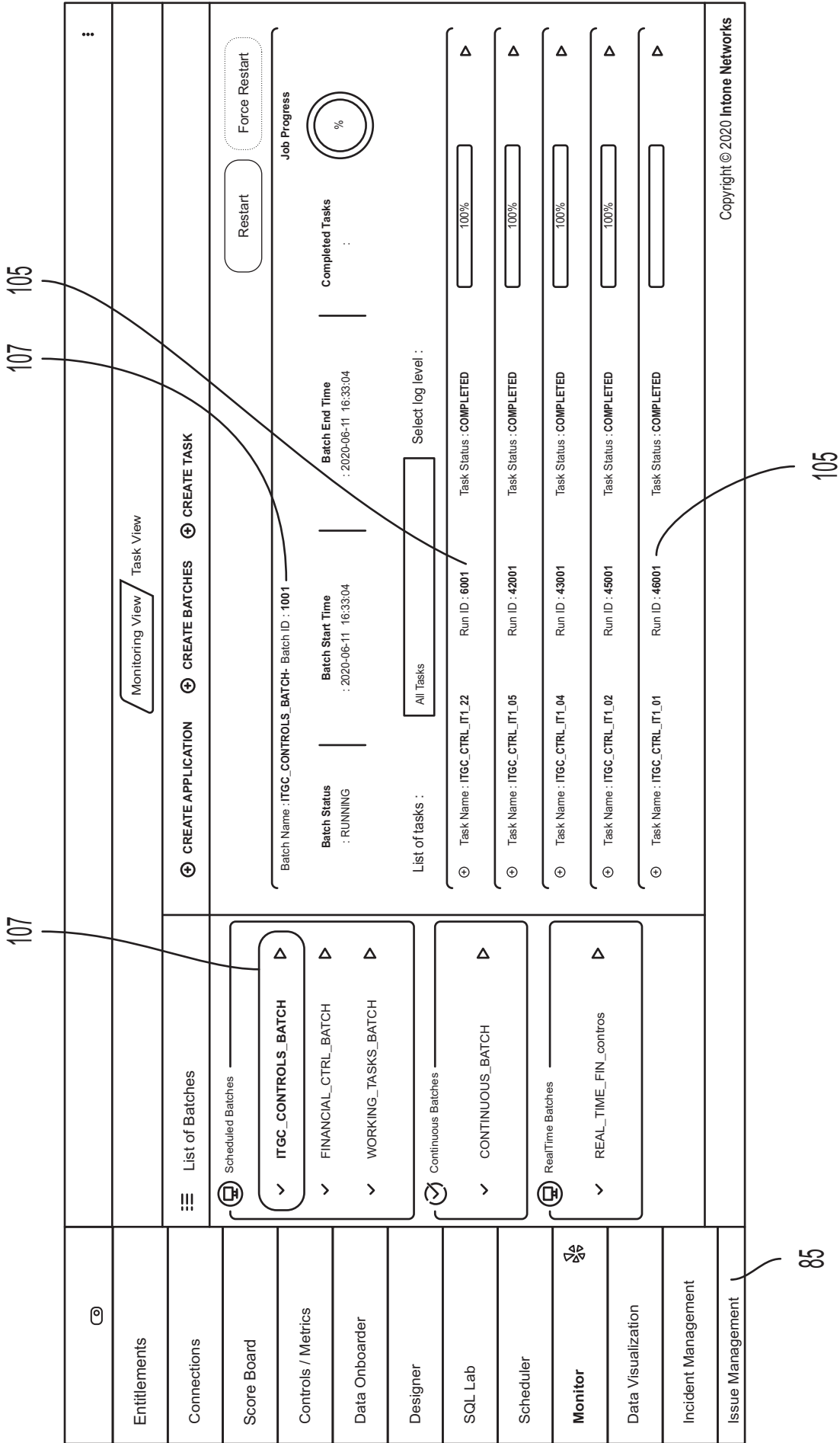


FIG. 13



Entitlements

Connections

Dashboard

GRC Forms

Data Onboarder

Control Designer

SQL Lab

Incident Management

Issue Management

Scheduler

Monitor

Data Visualization

Connections

...

Create Connection

Connection Id	Connection Name	Database Name	Database Type	Host IP	Port	Actions
CON - 19	conn_pstgresql_auditctrl	auditctrl	postgresql	10.10.10.152	5432	  
CON - 24	conn_pstgresql_loan	dataset	postgresql	10.10.10.152	5432	  
CON - 25	conn_mysql_finance	financial	mysql	10.10.10.152	3306	  

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FIG. 15

	Incident Details										⋮
Entitlements	Incident Information		Risk Metrics Reference		Investigations		Resolution		Escalation	Closer	Comments
Connections	Incident Id	Investigation Id	Investigation Summary	Investigated by	Start Date	End Date	Attachments	Actions		Create Investigation	
Dashboard	INC - 2	INVS - 2	Investigation Summary		2019-09-30T18:30:00Z[UTC]	2019-10-22T18:30:00Z[UTC]	C:\fakepath\ling_bg_1.jpg				
GRC Forms	Incident Id: INC - 2										
Data Onboarder	Investigated by: 										
Control Designer	Investigation Summary: Investigation Summary										
SQL Lab	Start Date: 2019-09-30T18:30:00Z[UTC]										
Incident Management	Attachments: C:\fakepath\ling_bg_1.jpg										
Issue Management	Comments										
Scheduler	Intone added a comment - 2019-09-30T09:43:10.017Z investigation is progress by operations team										
Monitor	Intone added a comment - 2019-09-30T09:43:10.017Z										
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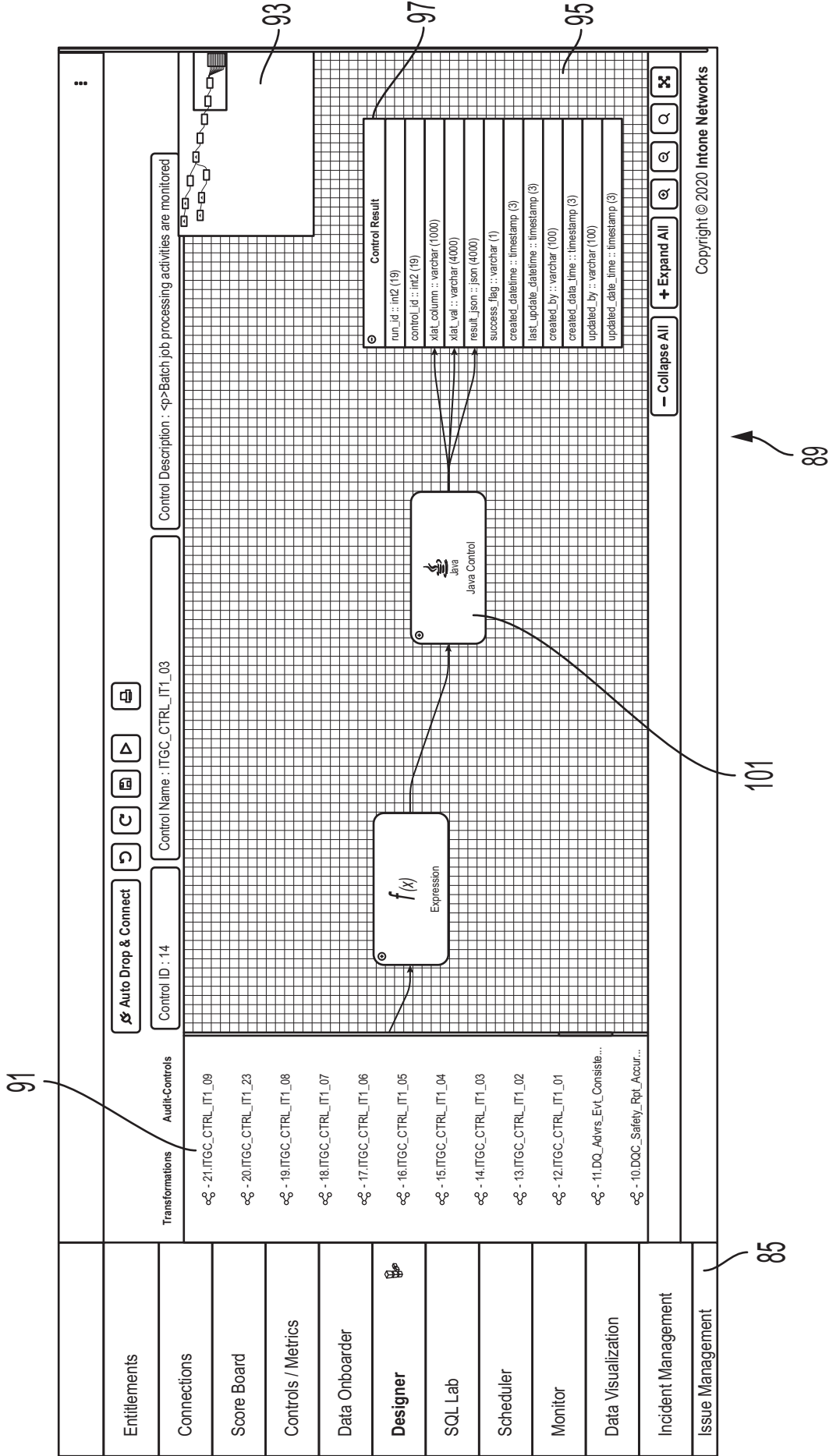
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FIG. 16

	...
Entitlements	Application Name*
Connections	Batch Name* Batch Name
Score Board	Batch Type*
Controls / Metrics	Activity Type*
Data Onboarder	Status*
Designer	Batch Description*
SQL Lab	Description
Scheduler	
Applications Batches Tasks	
Monitor	Cancel Save
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FIG. 17



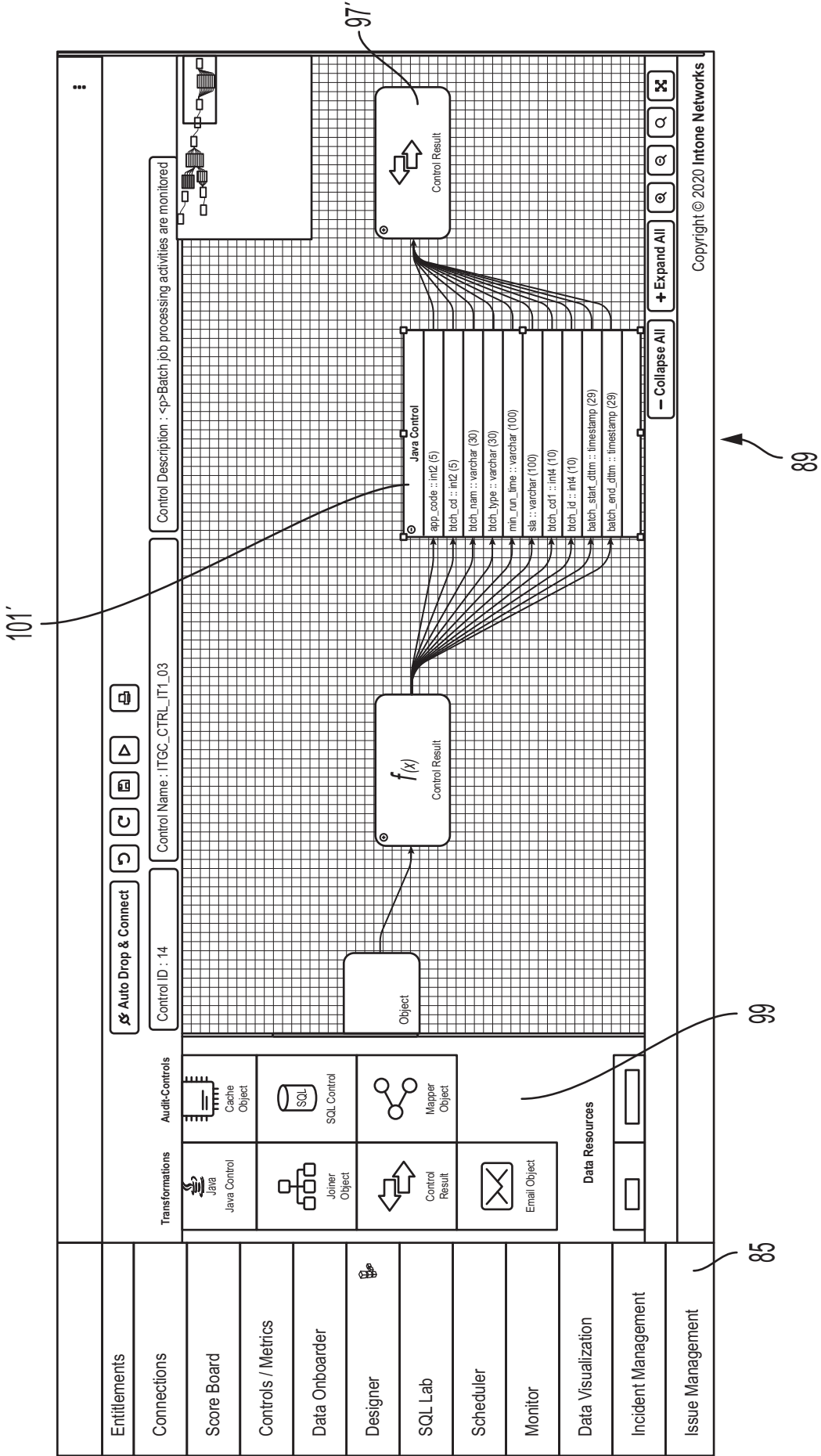


FIG. 19

101''

Entitlements

Connections

Score Board

Controls / Metrics

Data Onboarder

Designer

SQL Lab

Scheduler

Monitor

Data Visualization

Incident Management

Issue Management

Transformations

Audit-Controls

Control ID : 14

Control Name : ITGC_CTRL_IT1_03

Control Description : <p>Batch job processing activities are monitored

Auto Drop & Connect

Control Result

SOURCE COLUMNS:

- app_code

- batch_cd

- batch_name

- batch_type

- min_run_time

- sla

- batch_cd1

- batch_id

- batch_start_dtm

- batch_end_dtm

Object

Java Control

String batch_type = get("batch_type").toString();
long min_run_time = Long.valueOf(get("min_run_time").toString());
SimpleDateFormat parser = new SimpleDateFormat("HH:mm");
Date sla = parser.parse(get("sla").toString());

String batch_start_dtm = get("batch_start_dtm").toString();
String batch_end_dtm = get("batch_end_dtm").toString();

long diffSeconds = 0;
SimpleDateFormat format = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss");

Date d1 = null;
Date d2 = null;

try {
d1 = format.parse(batch_start_dtm);
d2 = format.parse(batch_end_dtm);
}
//in milliseconds

OK

Cancel

Control Result

batch_start_dtm = timestamp (29)

batch_end_dtm = timestamp (29)

+ Expand All

- Collapse All

Expand All

Collapse All

Close

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FIG. 20

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