

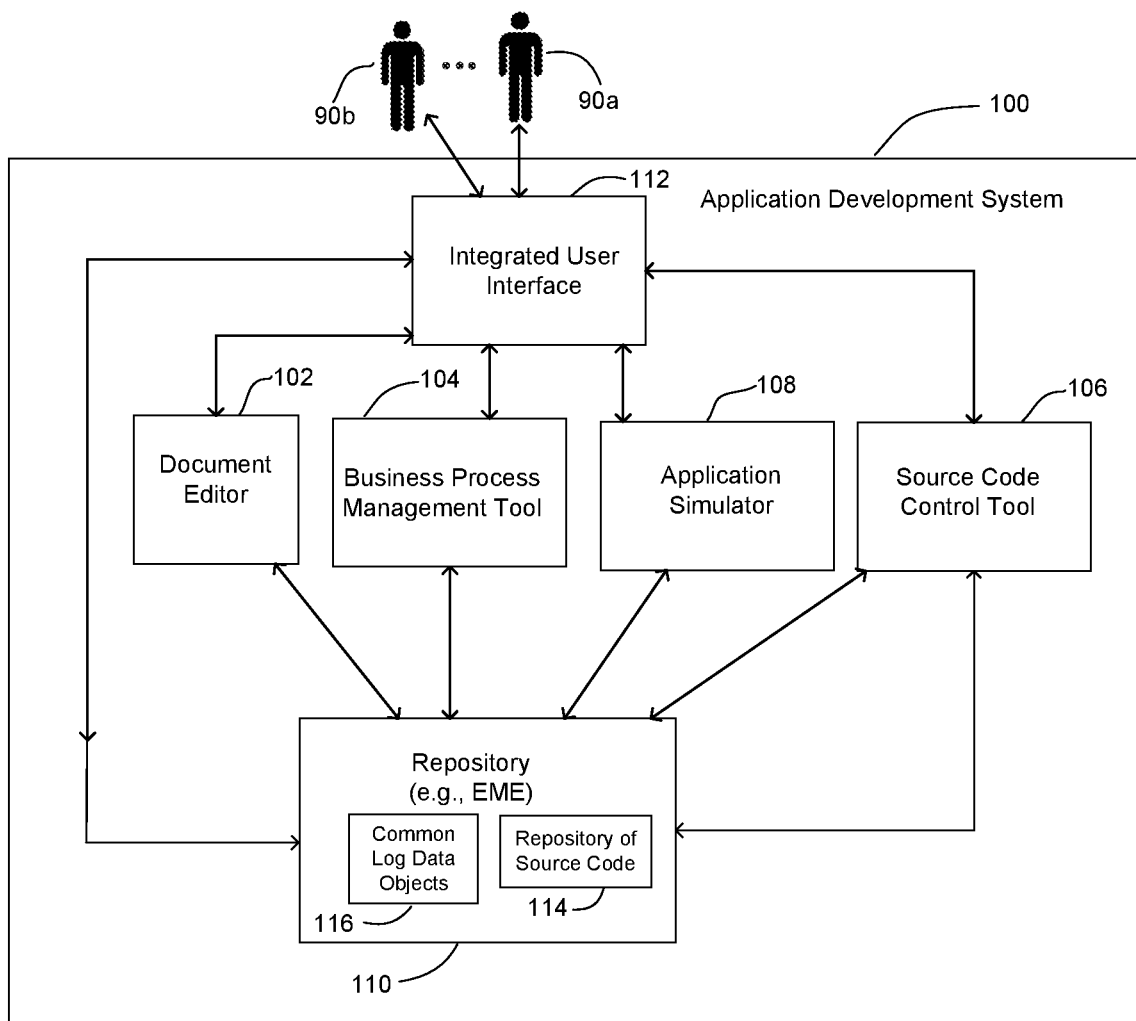


FIG. 1

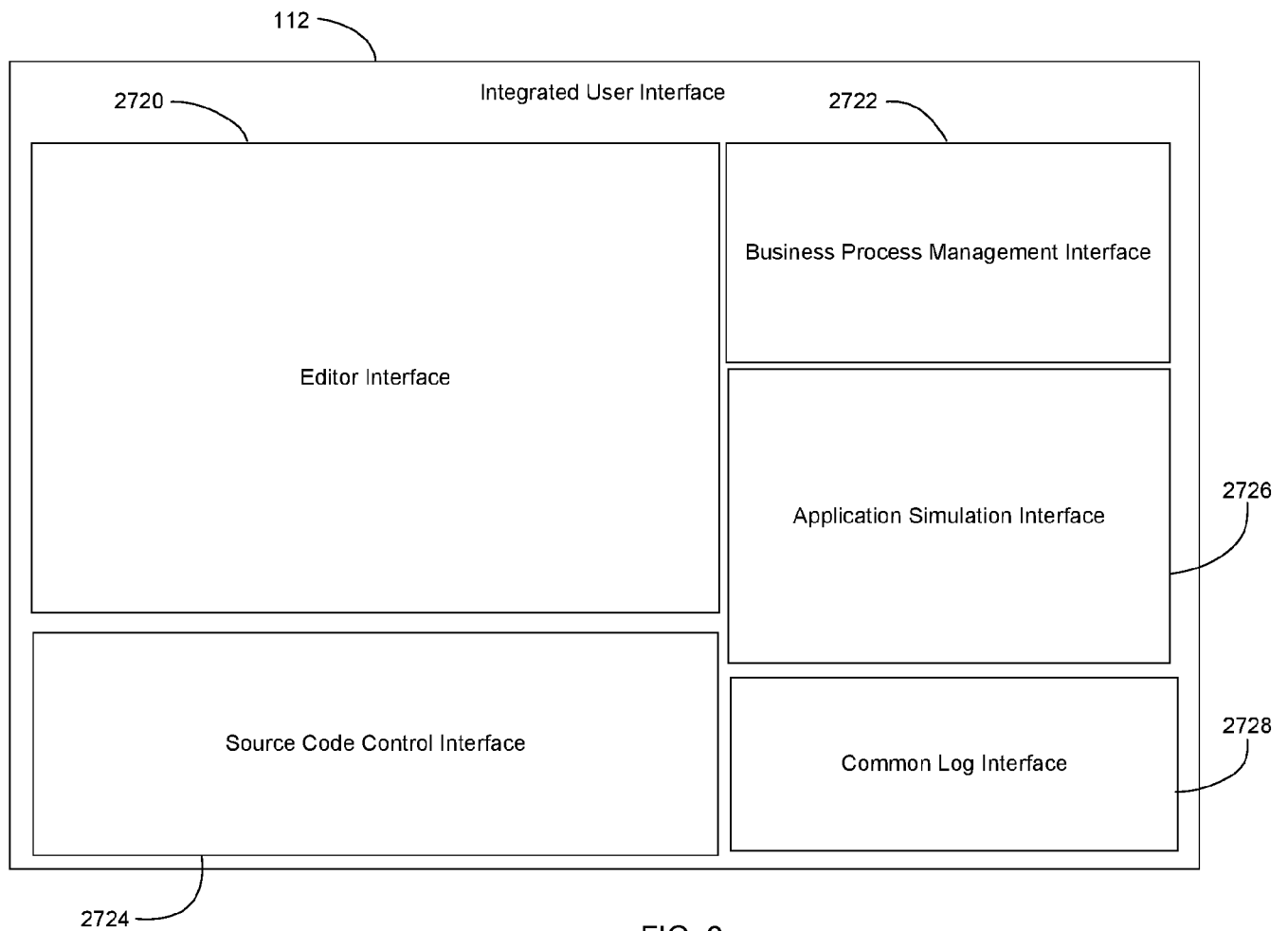


FIG. 2

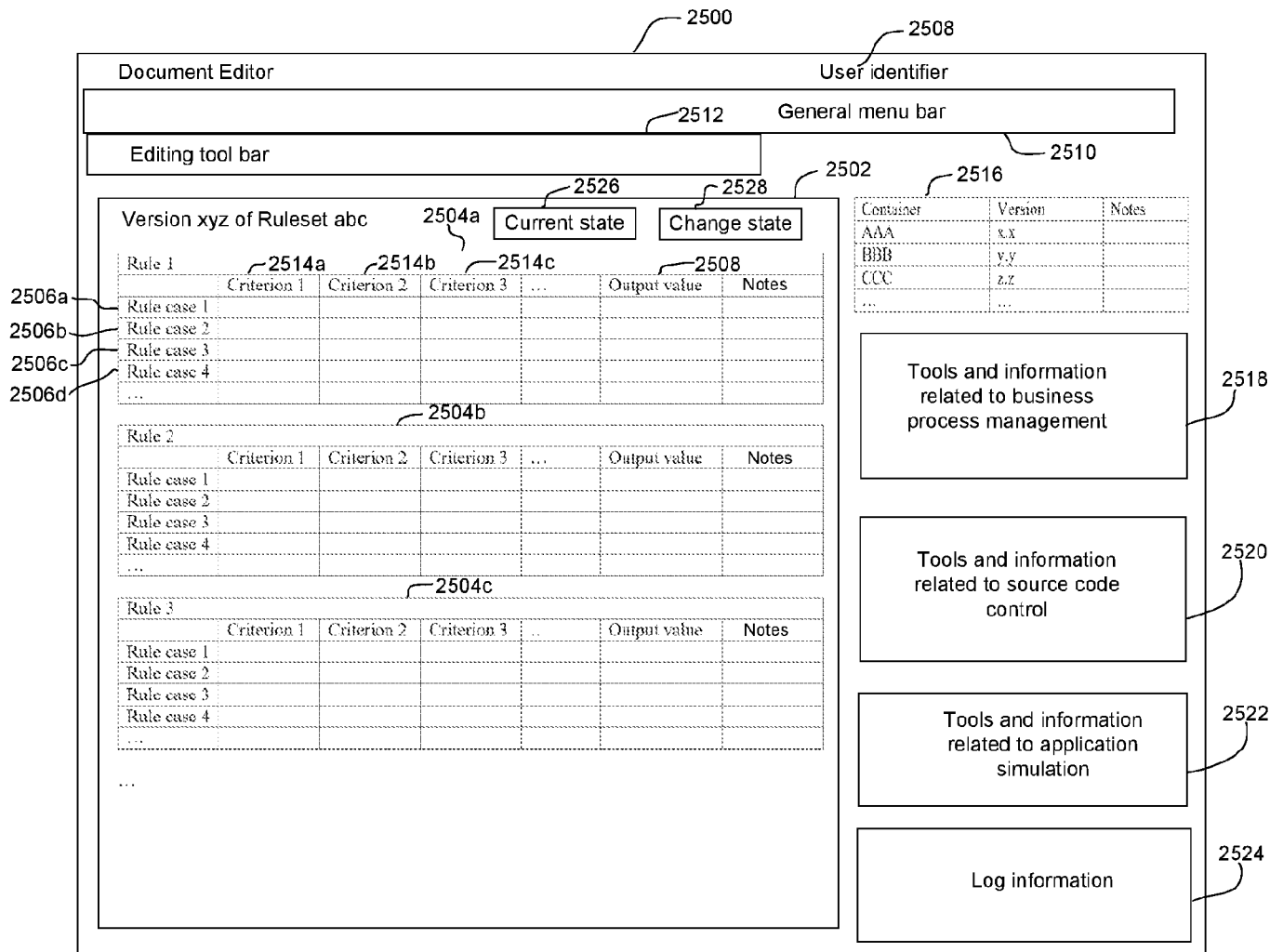


FIG. 3

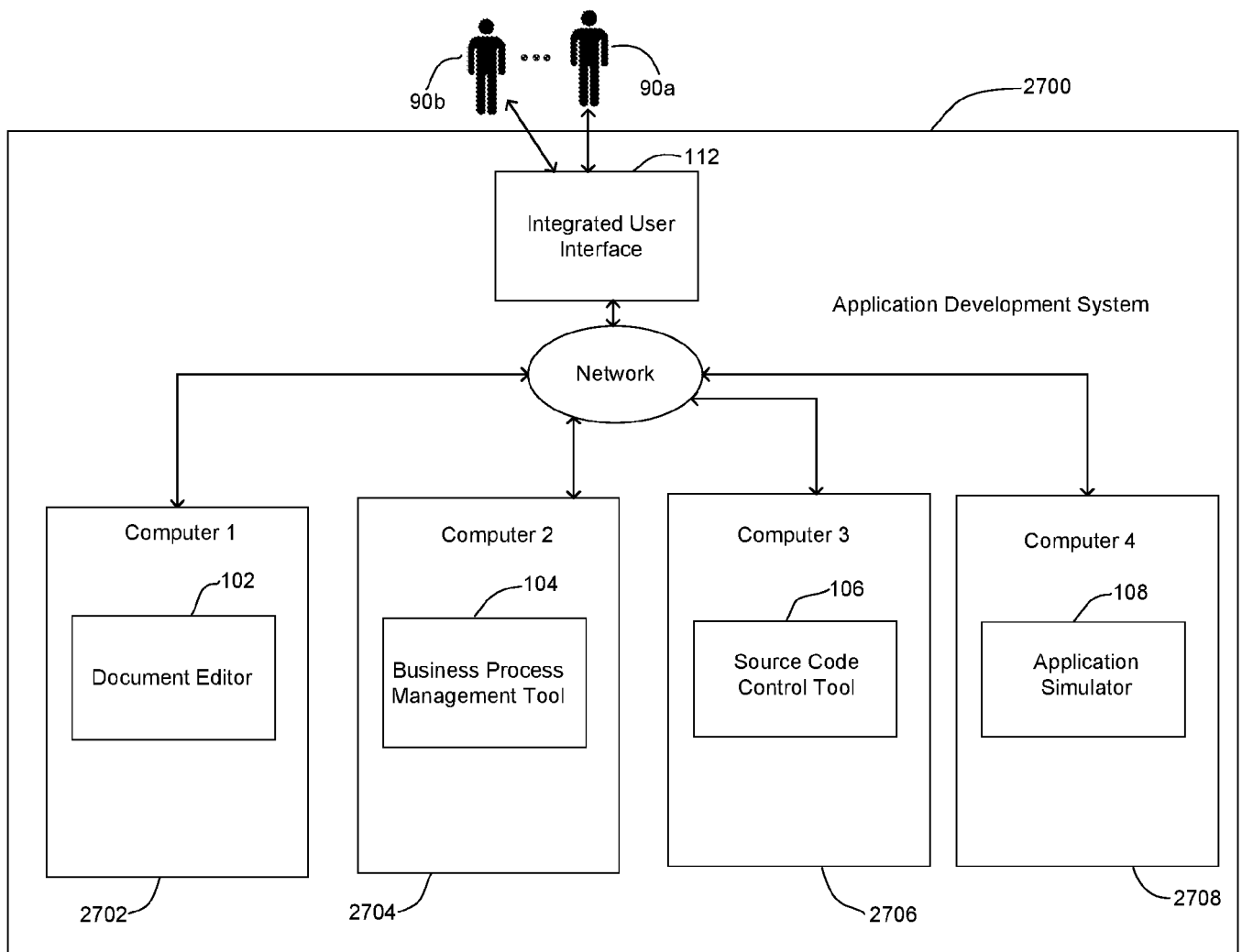


FIG. 4

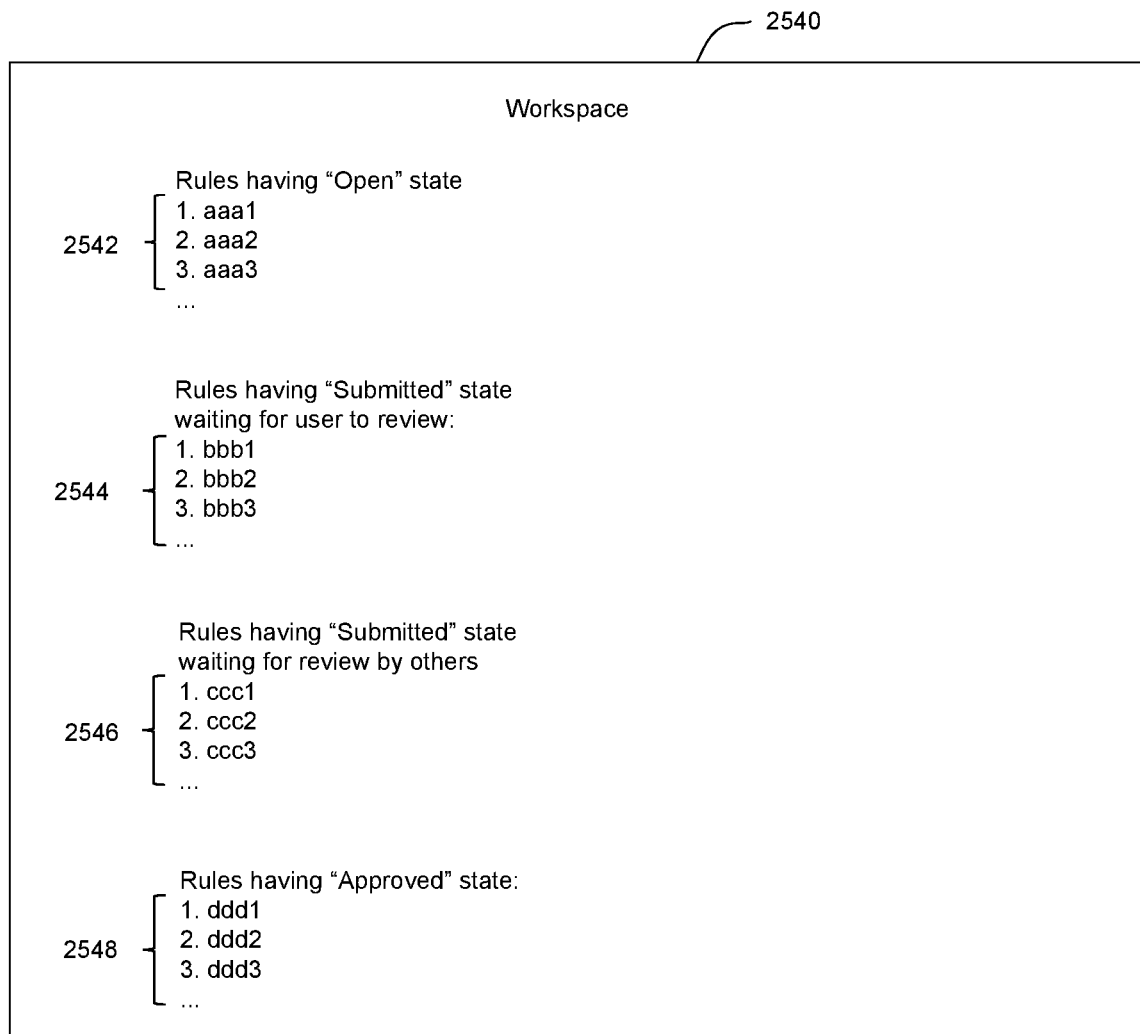


FIG. 5

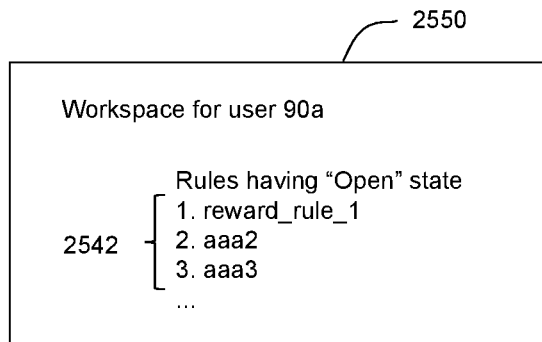


FIG. 6A

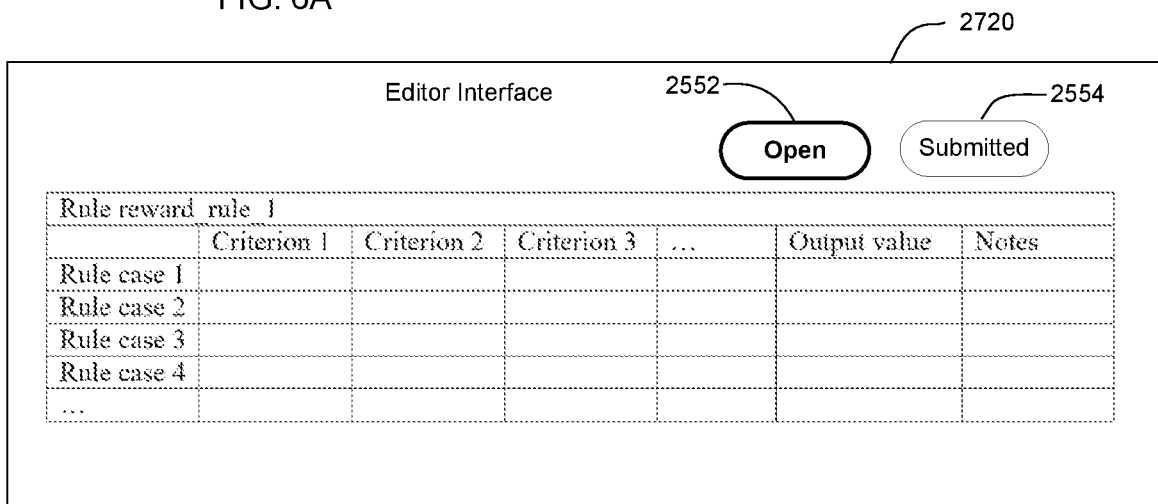


FIG. 6B

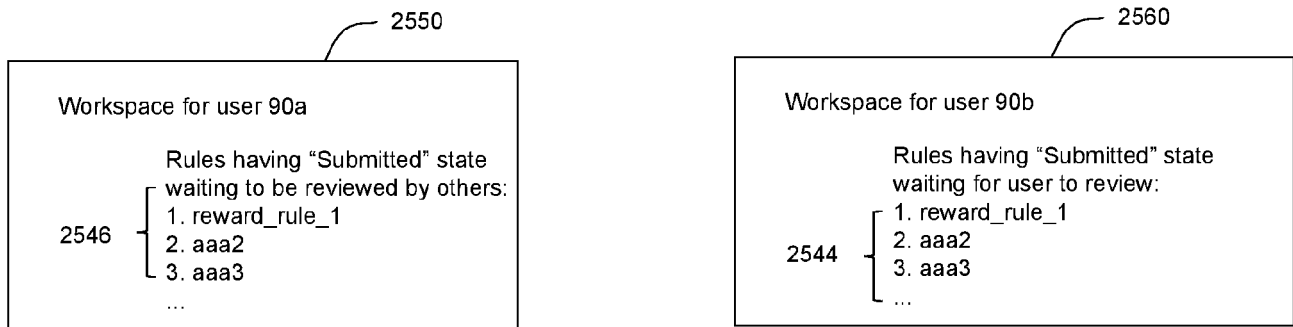


FIG. 6C

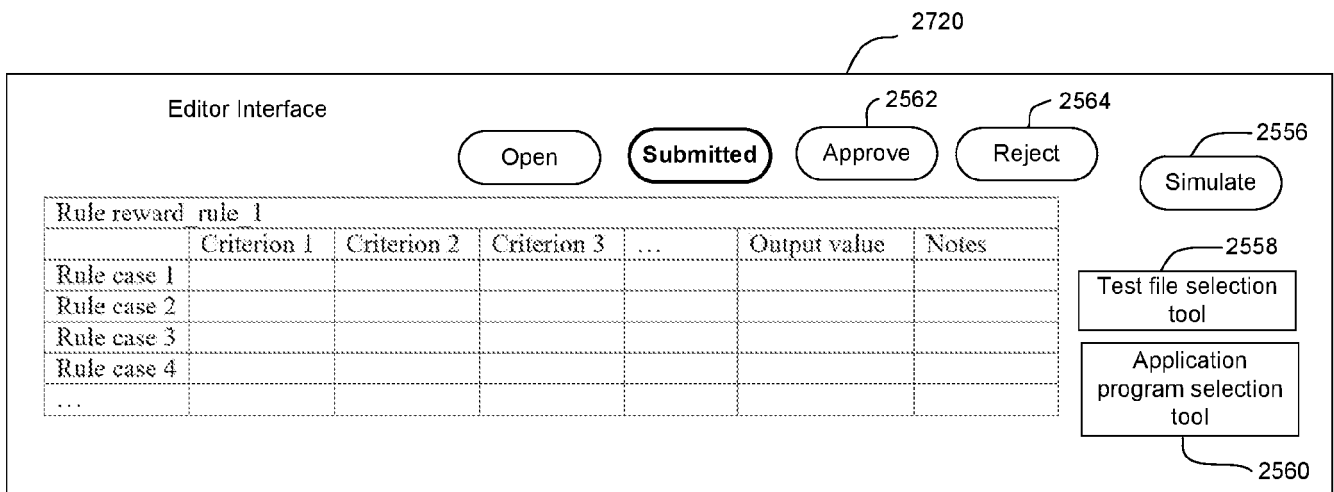


FIG. 6D

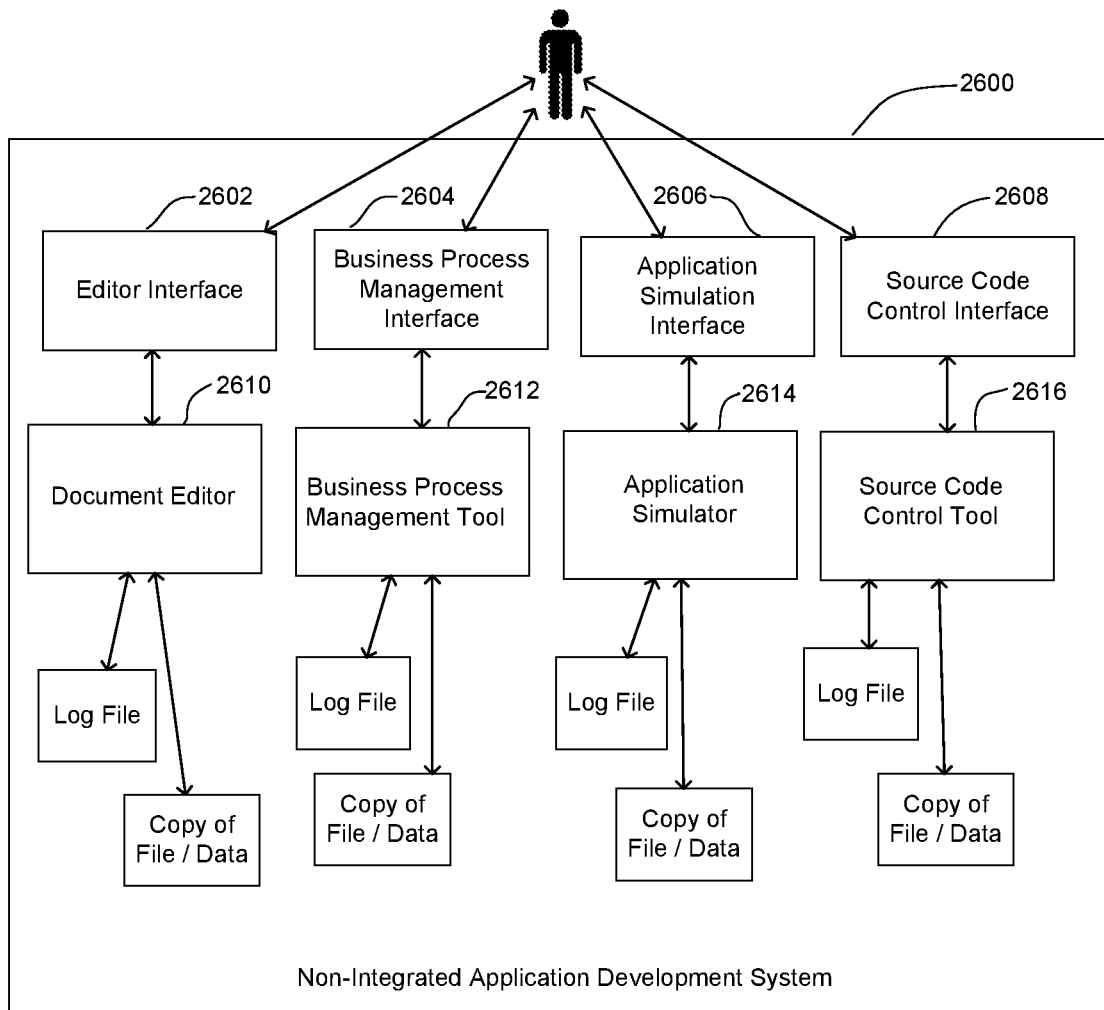


FIG. 7

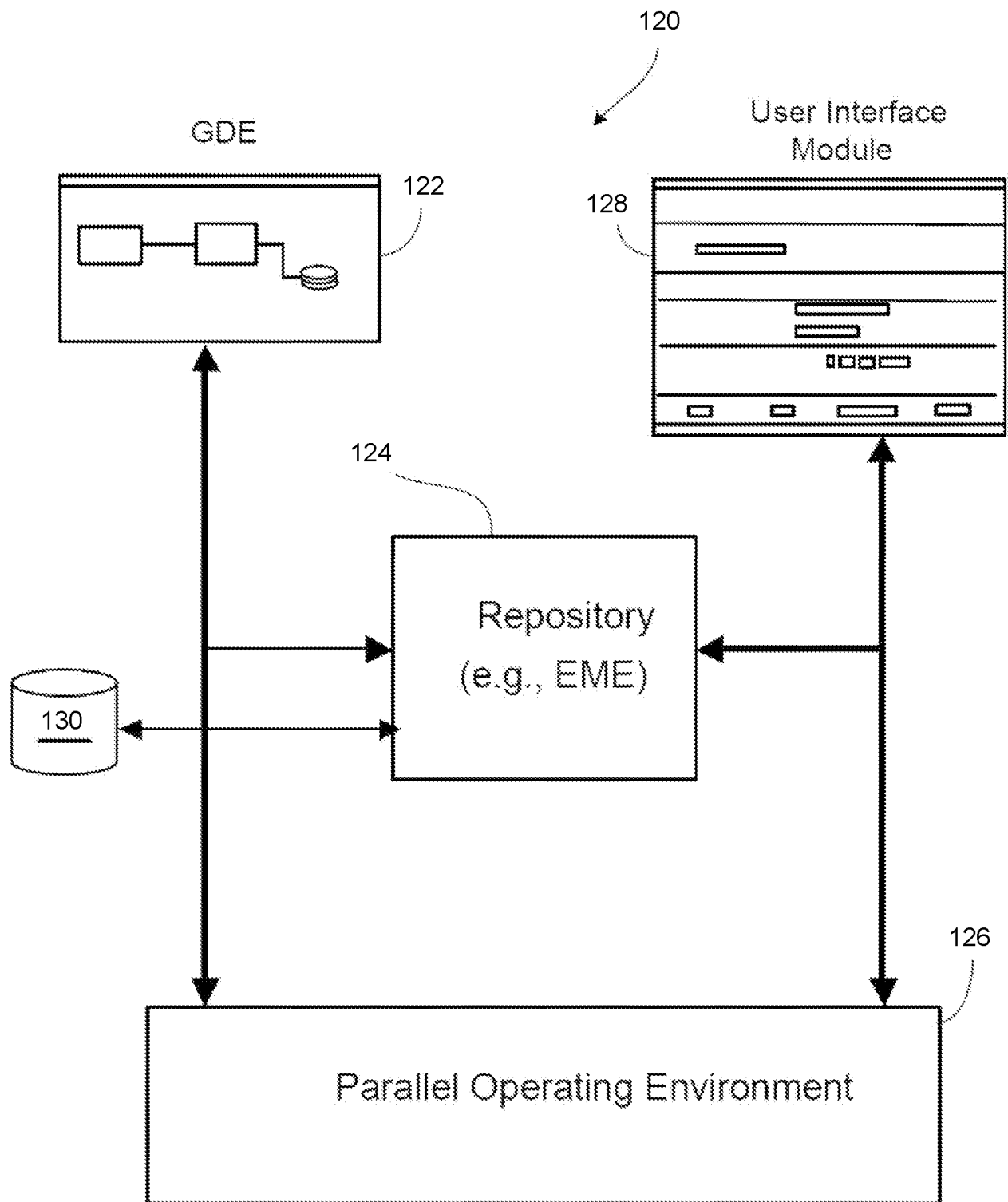


FIG. 8

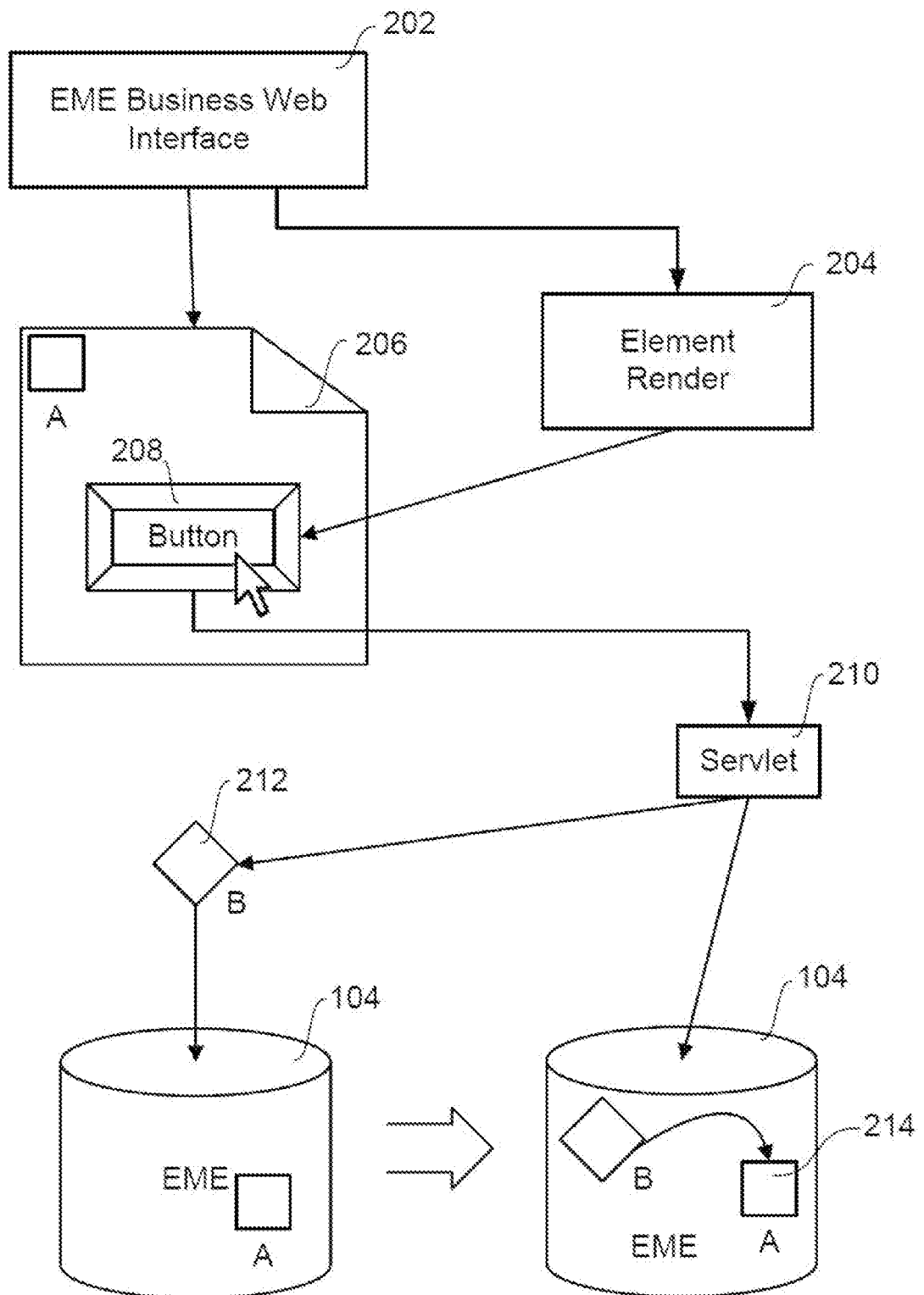


FIG. 9

300

Document: example1

[\[modify...\]](#) | [\[show versions\]](#) | [\[technical view\]](#)

Description

Replace Document

[Browse...](#)

Delete Document

[delete...](#)

[/ Audit Attributes](#)

[Details](#)

[References](#)

Short Description

Long Description

FIG. 10

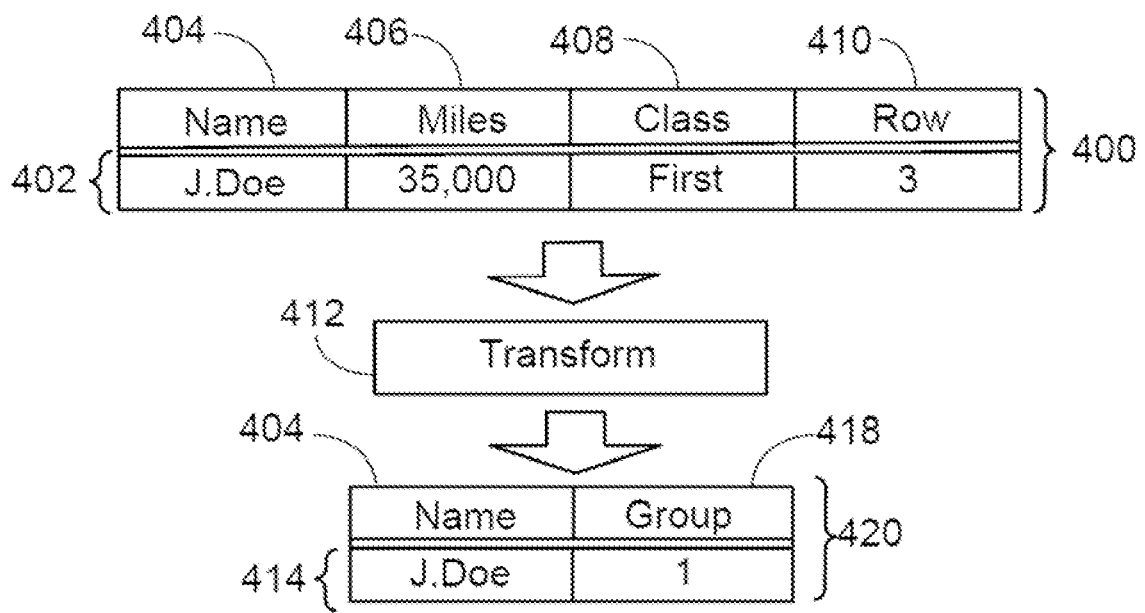


FIG. 11A

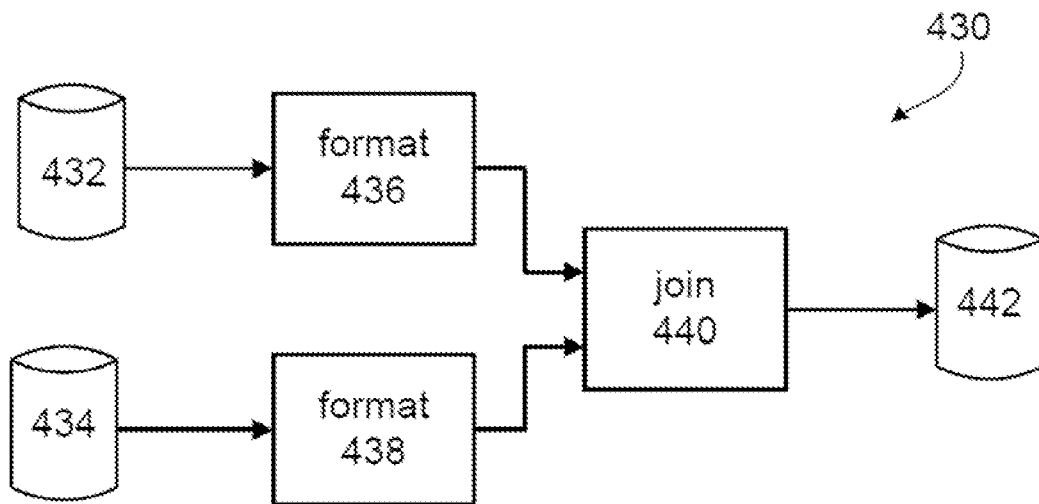


FIG. 11B

500

Project: POE_CQ [[modify](#) | [show versions](#) | [technical view](#)]

Description

Audit Attributes	Details	Diagrams	Graphs	Plans	Tables	Files	Common Projects	Included By	Parameters	Rulesets
------------------	---------	----------	--------	-------	--------	-------	-----------------	-------------	------------	----------

Rulesets [[Export](#)]

EME NAME	RULESET NAME	502	504	506	508	SHORT DESCRIPTION
POE CQ-1-1-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	
POE CQ-1-2-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	
POE CQ-1-3-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	
POE CQ-2-1-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	
POE CQ-4-1-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	
POE CQ-5-1-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	
POE CQ-6-1-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	Yet another
POE CQ-6-1-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	Yet another
POE CQ-7-1-Dev	POE_CQ	Promote Ruleset	Demote Ruleset	New Minor Version	New Major Version	Yet another

10 items

FIG. 12

Fields Expand

FIELD NAME	TYPE	LENGTH	IS NULLABLE?	DELIMITER	FORMAT	DESCRIPTION	MASKING RULE
1 custid	decimal_floating	-1	false	••			Mask Customer ID Override
2 title	string	-1	false	••			Mask Customer Name
3 fname	string	-1	false	••			Mask Customer Name
4 lname	string	-1	false	••			Mask Customer Name
5 gender	string	-1	false	••			Mask Customer Name
6 dob	date	10	false	••	YYYY-MM-DD		Mask Date of Birth
7 street	string	-1	false	••			Hash Census 1 Override
8 city	string	-1	false	••			Hash Census 3 Override
9 state	string	-1	false	••			Hash Census 3 Override
10 zip	decimal_floating	-1	false	••			Hash Census 3 Override
11 preferred	decimal_floating	-1	false	••			Add masking Rule
12 Full name	string	-1	false	••			Mask Customer Name

Select the type of masking Rule to add:

☒ Masking Rule
☐ Dependent Masking Rule

Next Cancel

Would you like to create a new masking Rule or add to the arguments of an existing masking Rule?

☒ Create New Masking Rule
☐ Add to Existing Masking Rule

Back Next Cancel

FIG. 13

Select masking Function:

Hash Census 1

700

702

"preferred" will be assigned to the "arg1" argument of masking function "Hash Census 1"

704

706

Masking Rule: Hash Census 1 [\[modify\]](#) [\[show versions\]](#) [\[technical view\]](#)

Description

Short Description
Long Description
Masking Function [Hash Census 1](#)
Value Partition
Applies to [preferred](#)
Approval Status

Arguments [\[Export\]](#)

NAME	DESCRIPTION	INPUT VALUE	CONSTANT VALUE	INPUT/OUTPUT
arg1		preferred		In/Out Select

708

FIG. 14

Approval Status: Pending

Subject Area: Add

Never Subject Key: ☐ Edit

Required values are marked with an asterisk ()

Save Changes

800

804

802

Save

814

Record description:

- ☒ security_order
- ☐ insert_datetime
- ☒ insert_user
- ☒ insert_process
- ☐ update_datetime
- ☒ update_user
- ☒ update_process

810

812

Selected fields:

☒ update_user	ascending	machine
☒ update_process	ascending	machine

808

806

FIG. 15

900

Approval Status: Pending 904

Subject Area: [Empty] 906

Never Subset: ☐

Key: {update_user, update_process} 902

Required values are marked with an asterisk ()

Save Changes 908

Cancel

Add

Delete

Edit

FIG. 16

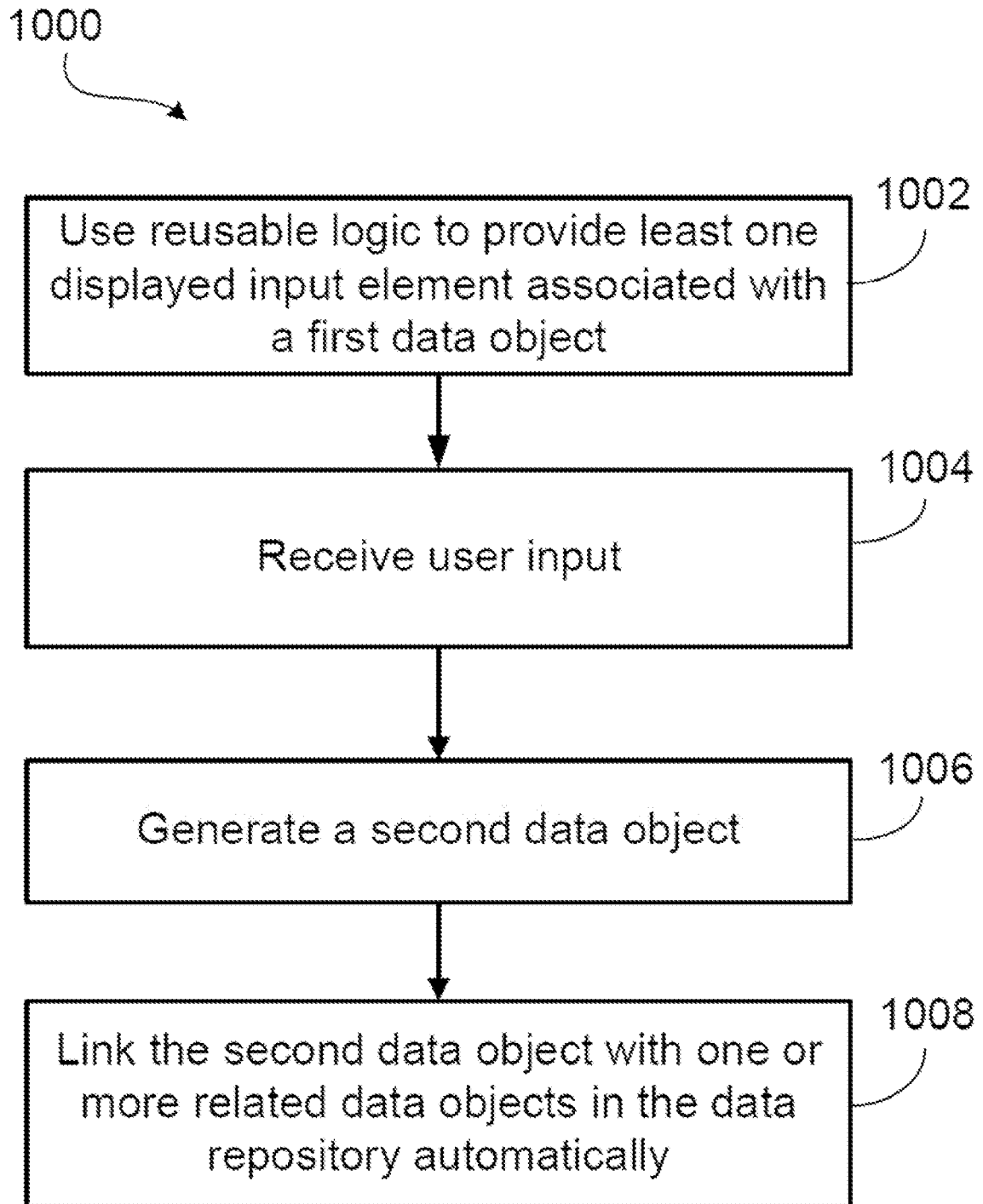
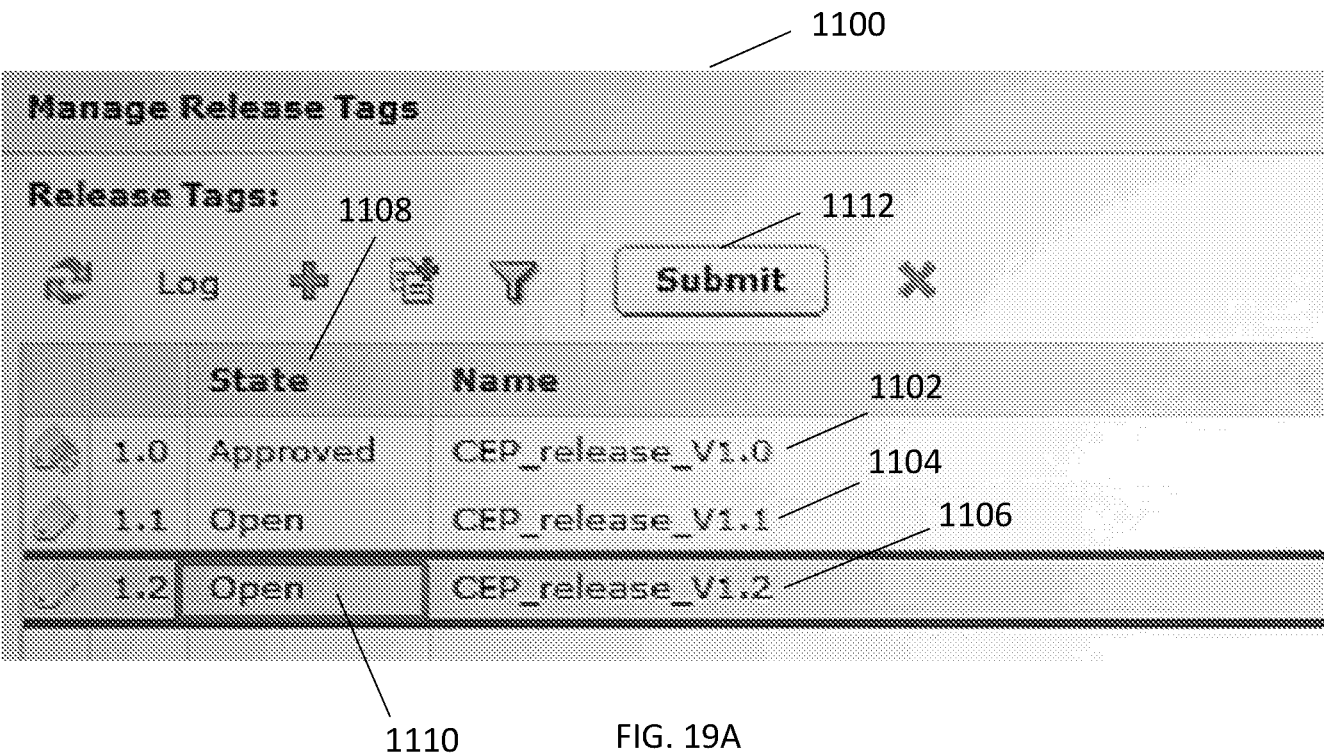


FIG. 17

```
<TaggingSpecification>
...
  <States>
    <State name="Development">
      <Transition name="Promote"
1152 target_state="Testing"
      roles="rolename-list1"/> 1158a
    </State>
    <State name="Testing">
      <Transition name="Promote"
1154 target_state="Production"
      roles="rolename-list2"/> 1158b
      <Transition name="Demote"
      target_state="Development"
      roles="rolename-list3"/> 1158c
    </State>
    <State name="Production">
1156 </State>
  </States>
</TaggingSpecification>
```

1150

FIG. 18



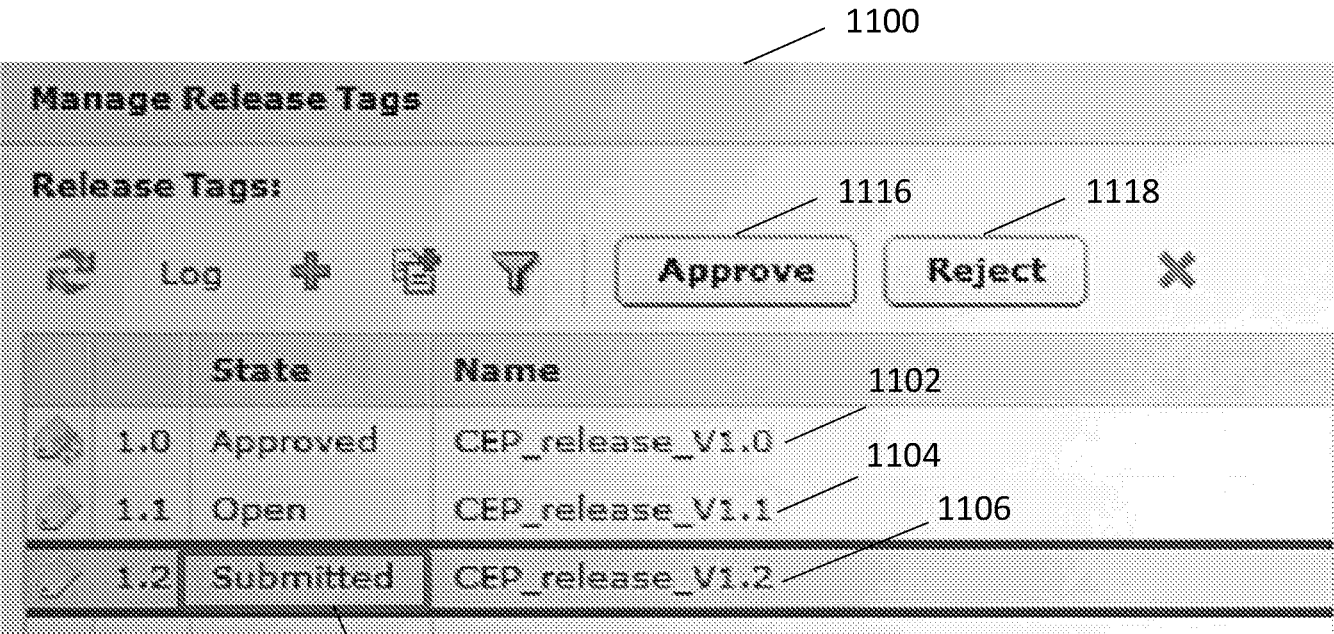


FIG. 19B

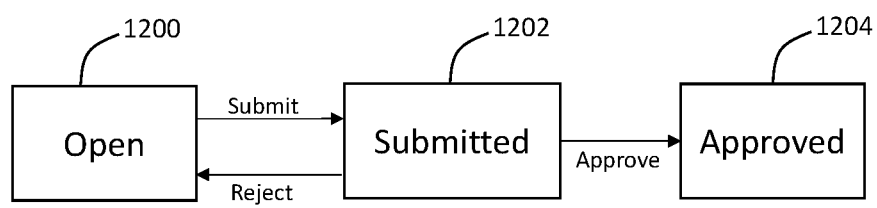


FIG. 19C

1120

```

<TaggingSpecification>
  <TagPrefix>CEP</TagPrefix>
  <RelativeWorkingDirectory></RelativeWorkingDirectory>
    <PreStateTransitionScript></PreStateTransitionScript>
    <PostStateTransitionScript></PostStateTransitionScript>
    <AllowMinorVersions>true</AllowMinorVersions>
    <States>
      <State name="Open" priority="2">
1122   <Transition name="Submit" target_state="Submitted"/>
      </State>
      <State name="Submitted" priority="1">
1130   <Transition name="Approve" target_state="Approved"/>
      <Transition name="Reject" target_state="Open"/>
      </State>
1142   <State name="Approved" priority="0">
      </State>
    </States>
</TaggingSpecification>

```

Diagram illustrating the XML structure of a TaggingSpecification (1120) and its associated states and transitions:

- 1120** (TaggingSpecification) contains:
 - 1122** (State name="Open" priority="2") with a transition **1126** (name="Submit" target_state="Submitted") leading to **1128** (State name="Submitted" priority="1").
 - 1130** (State name="Submitted" priority="1") with two transitions: **1136** (name="Approve" target_state="Approved") leading to **1140** (State name="Approved" priority="0"), and **1134** (name="Reject" target_state="Open") leading back to **1122**.
 - 1142** (State name="Approved" priority="0") with a transition **1144** (name="Reject" target_state="Open") leading back to **1122**.

FIG. 20

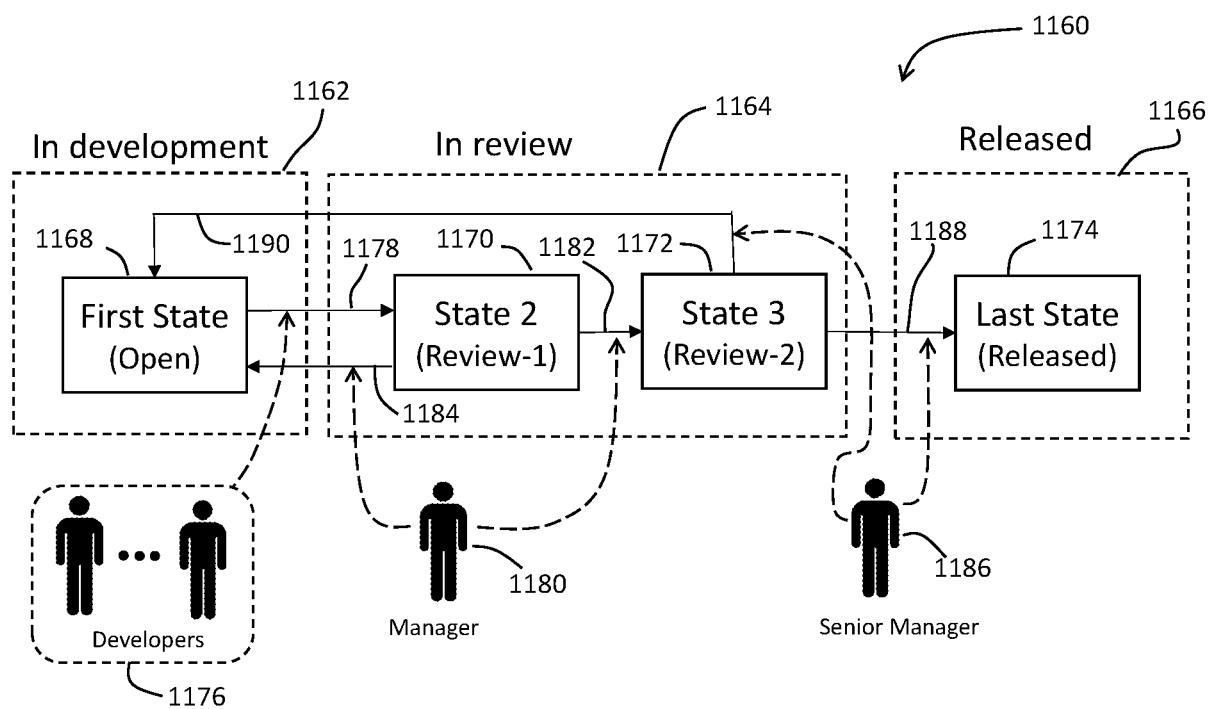


FIG. 21

1190

Release tag for CEP_release_V1.1

Object tags for configuration and rule sets in CEP_release_V1.1

Manage Release Tags

Release Tags:

Log

Log

Log

Submit

State	Name
1.0 Approved	CEP_release_V1.0
1.1 Open	CEP_release_V1.1
1196	1192

Object Tags Included in Release Tag:

Log

Log

Log

Update All

Name	State
Investigate_Customer_Activity_V1.1	1.1 Submitted
Transaction_Classification_V1.1	1.1 Submitted
Review_Phone_Activity_V1.1	1.1 Submitted
Review_Posted_Monetary_Activity_V1.1	1.1 Submitted
Review_Web_Activity_V1.0	1.0 Approved
Review_Non_Monetary_Activity_V1.0	1.0 Approved
1194	1198

Tech Tag in Release Tag(CEP_tech_V1)

62.dbooss.Wed Sep 3 11:57:52 GMT-0400 2014

Technical tag for CEP_release_V1.1

Fig. 22

26/35

1210

CEP_Review_Posted_Monetary_Activity_V1.1 Log				⊗
Operation	User	Comment	Date/Time	1 ▼
Comment	admin	Removed from release tag : CEP_release_V1.1	2015-02-11T10:28:47.06262	
Open to Submitted	dworker	Corrected computation of fraud.	2014-10-22T15:46:25.35850	
Submitted to Open	dboss	Please re-look at the computation of fraud.	2014-10-22T15:46:19.79371	
create	dworker	Quarterly update	2014-10-22T15:46:14.03711	

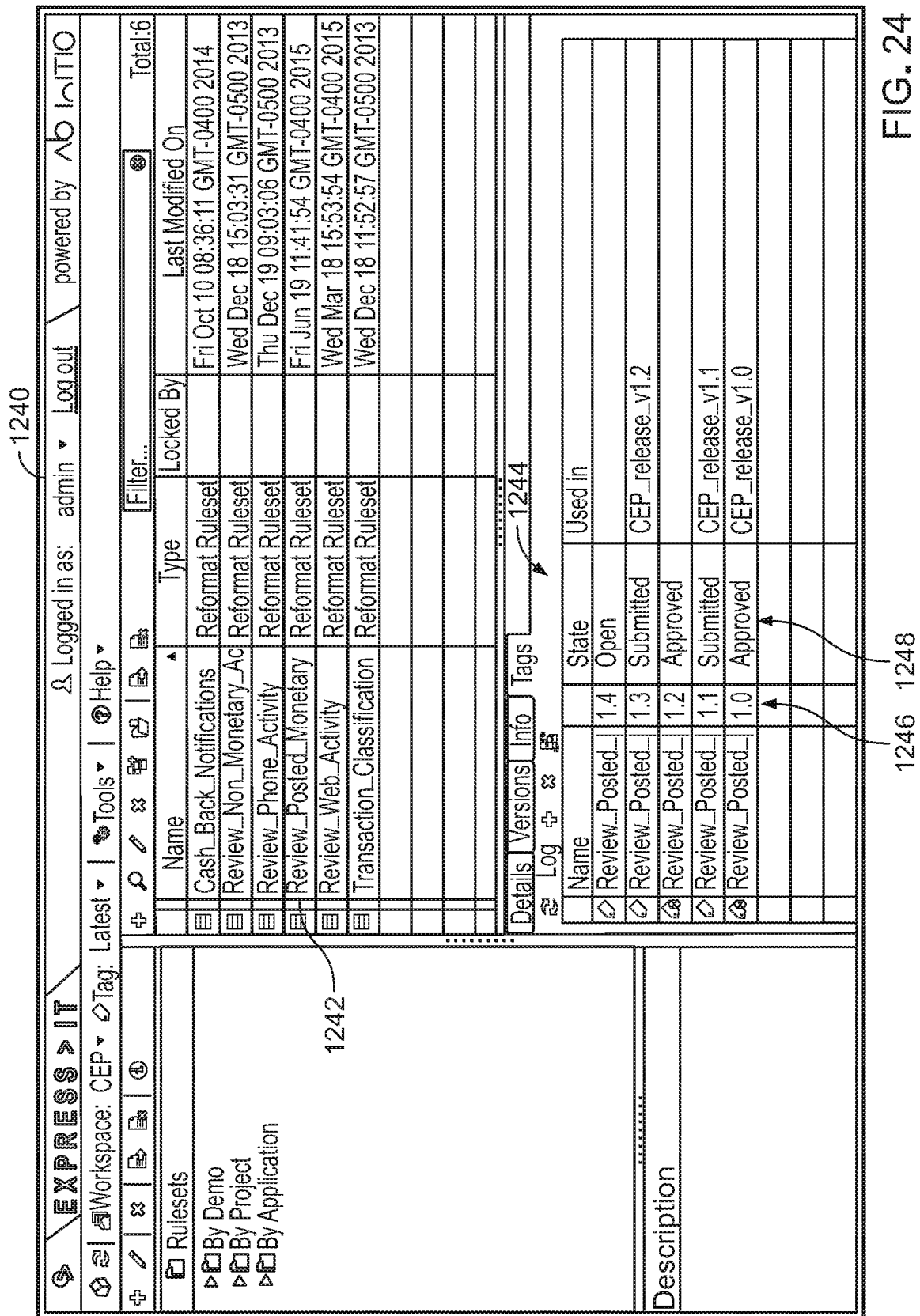
FIG. 23A

1220

CEP_release_V1.1 Log				⊗
Operation	User	Comment	Date/Time	1 ▼
removed object tag	admin	removed : CEP_Review_Posted_Monetary_Activity_V1.1	2015-02-11T10:28:47.06418	
removed object tag	admin	removed : CEP_Review_Phone_Activity_V1.1	2015-02-11T10:28:20.19318	
removed object tag	admin	removed : CEP_Transaction_Classification_V1.1	2015-02-09T14:12:02.43215	
changed object tag version	admin	new tag : CEP_Investigate_Customer_Activity_V1.2_from_tag_tab replaced	2014-11-07T10:08:28.09235	
create	dboss	Quarterly update	2014-10-22T15:46:31.39357	

FIG. 23B

27/35



Ruleset Difference Report

1250

	Ruleset Name	EME Path	Version
1	Review_Posted_Monetary_Activity	/Projects/CEP/event-processing-biz/rset/Review_Posted_Monetary_Activity/ruleset.rset	61
2	Review_Posted_Monetary_Activity	/Projects/CEP/Event-processing-biz/rset/Review_Posted_Monetary_Activity/ruleset.rset	128

List of Differences

1252

	Change Type	Location
1	change	Rule [3] "Compute Fraud Risk Level", Case [1], Cell [3]
2	addition	Rule [5] "Compute MyOutputFilter"
3	addition	Output, Variable [12] "A Change"
4	addition	Output, Variable [13] "MyOutputFilter"

Name: Review_Posted_Monetary_Activity

Comment: Computes alerts such as "High Value Transaction" and "Fraud" based on customers posted monetary credit/debit/checking/savings account activity.

FIG. 25

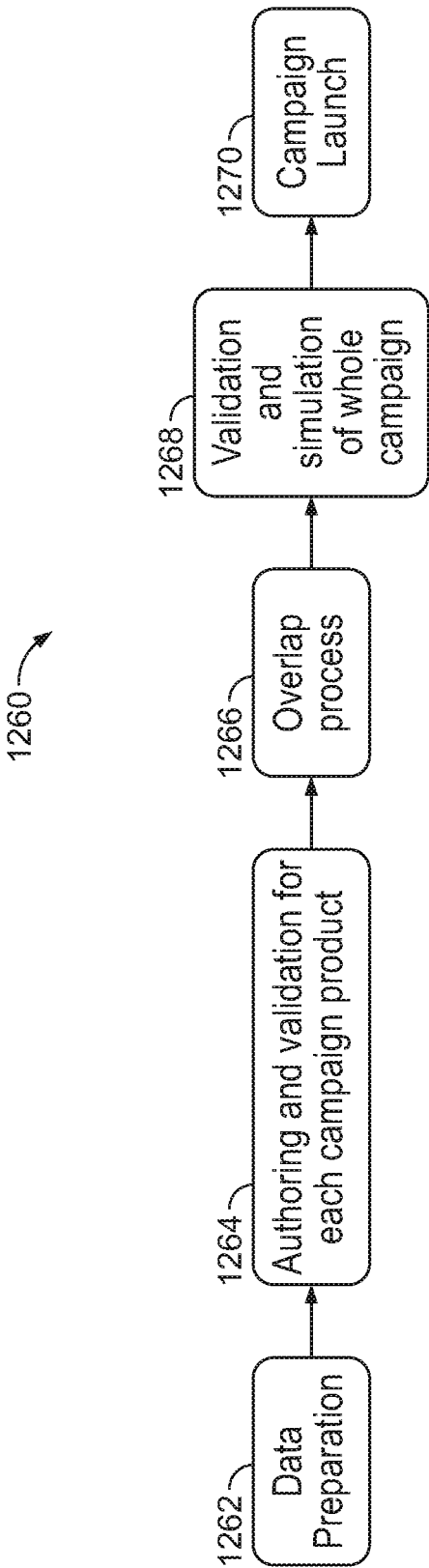


FIG. 26

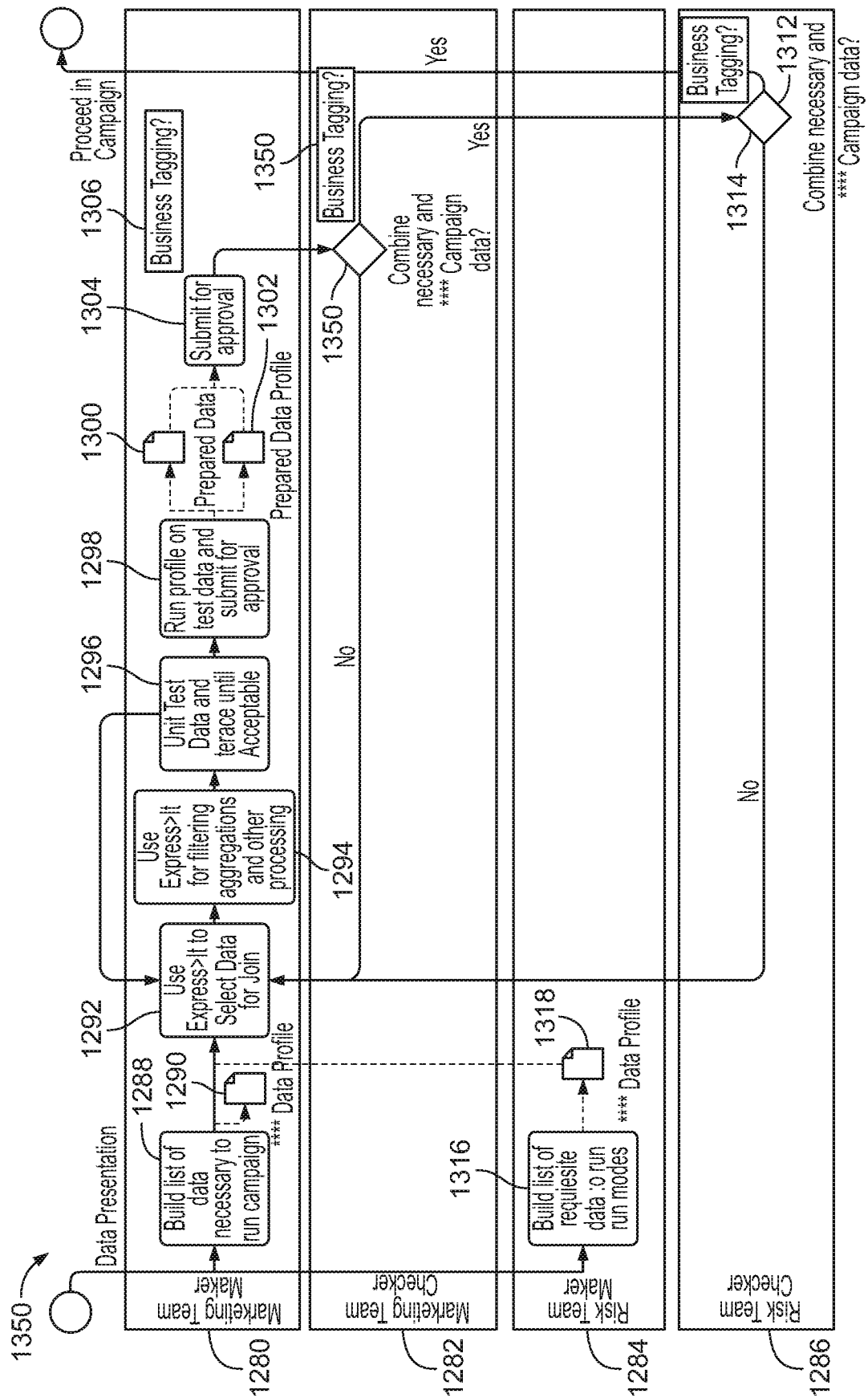


FIG. 27

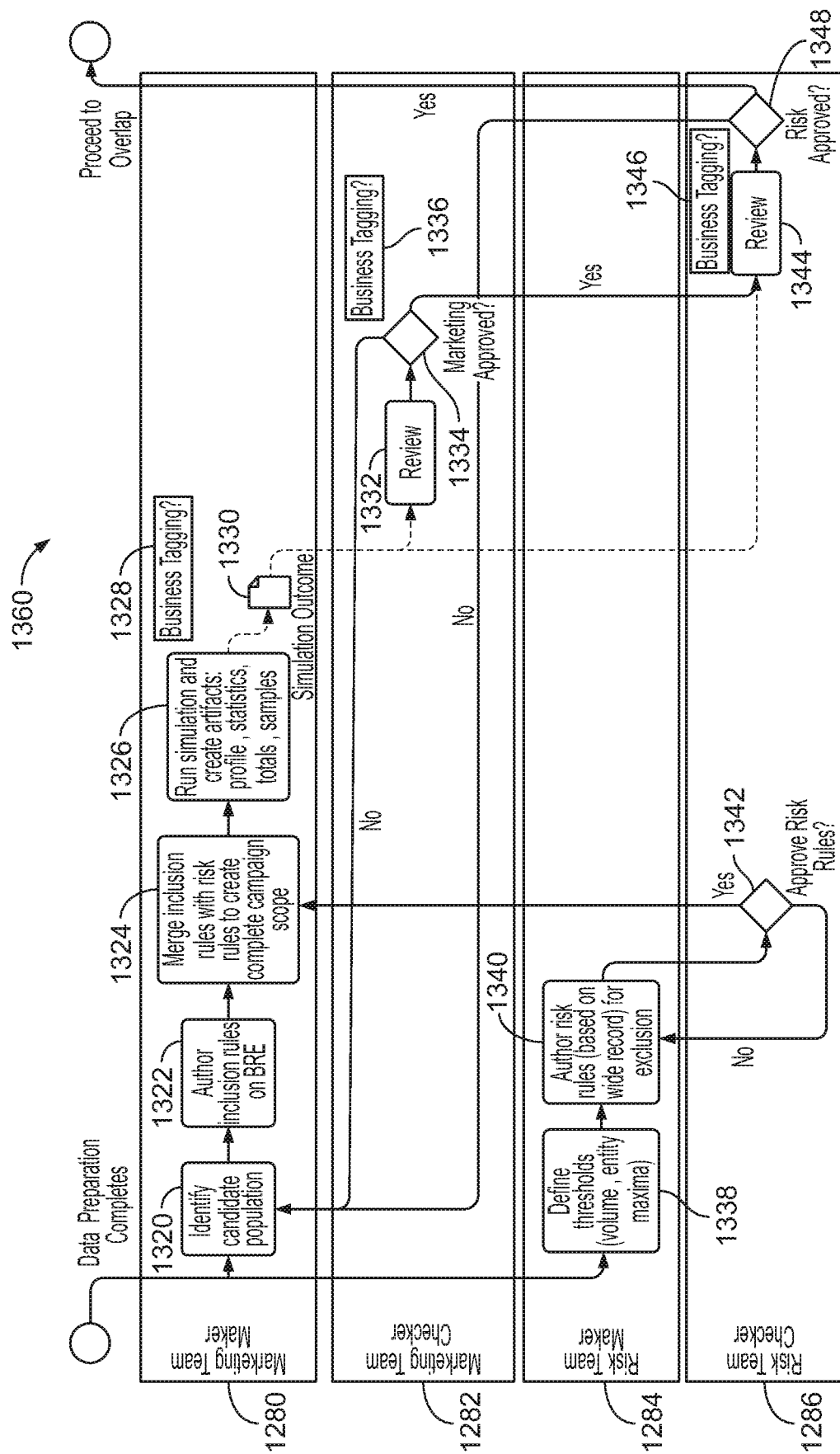


FIG. 28

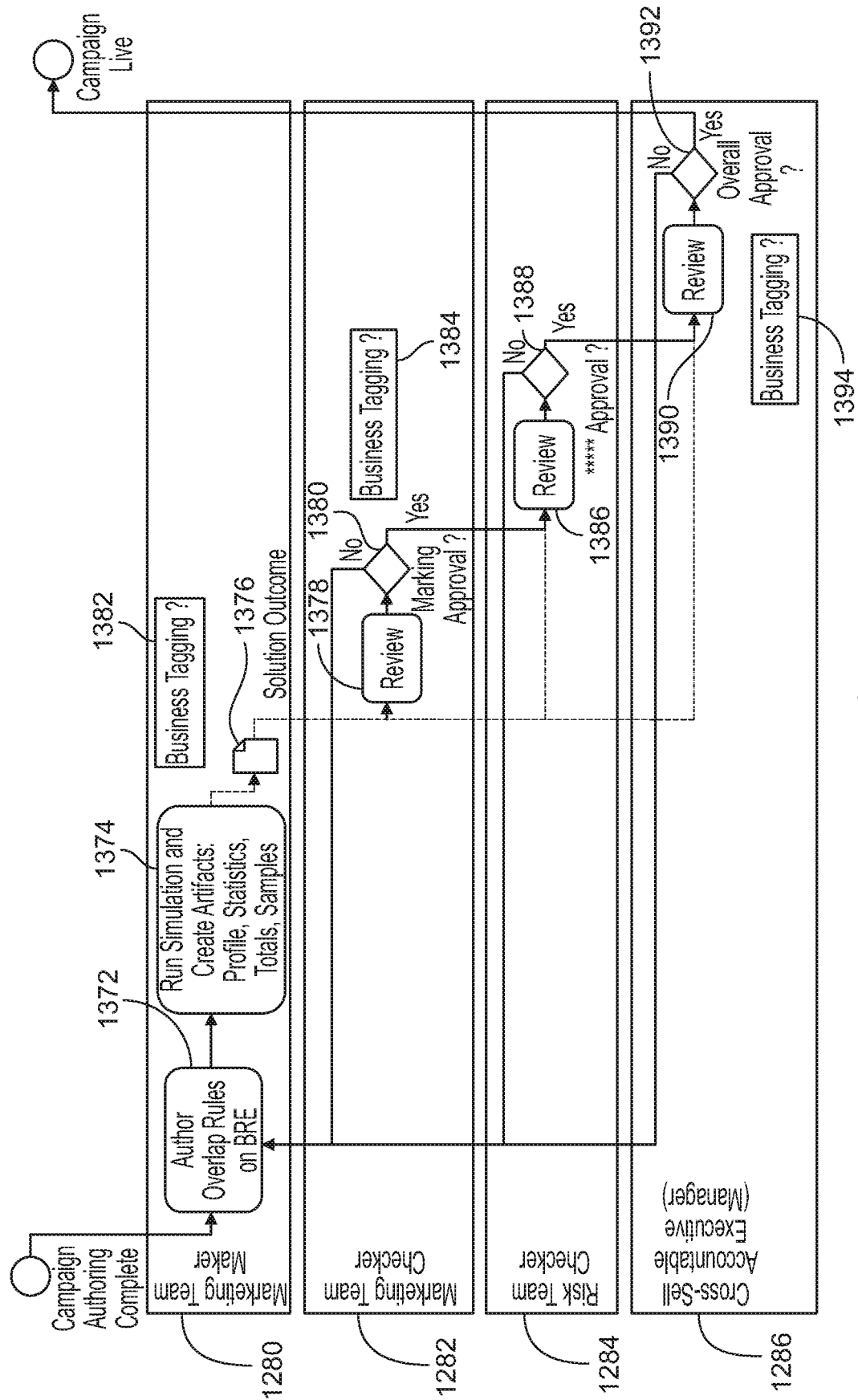


FIG. 29

	2202 Total frequent flyer miles	2204 Current year frequent flyer miles	2206 Class of seat	2208 Row of seat	2212 Boarding Group
2210a	>= 1,000,000				1
2210b			first		1
2210c	>= 100,000	>= lat year frequent flyer miles			2
2210d			business		2
2210e			else	<= 10	2
2210f			same	<= 40	3
2210g			same	<= 50	4
2210h			same	else	5

FIG. 30

2200

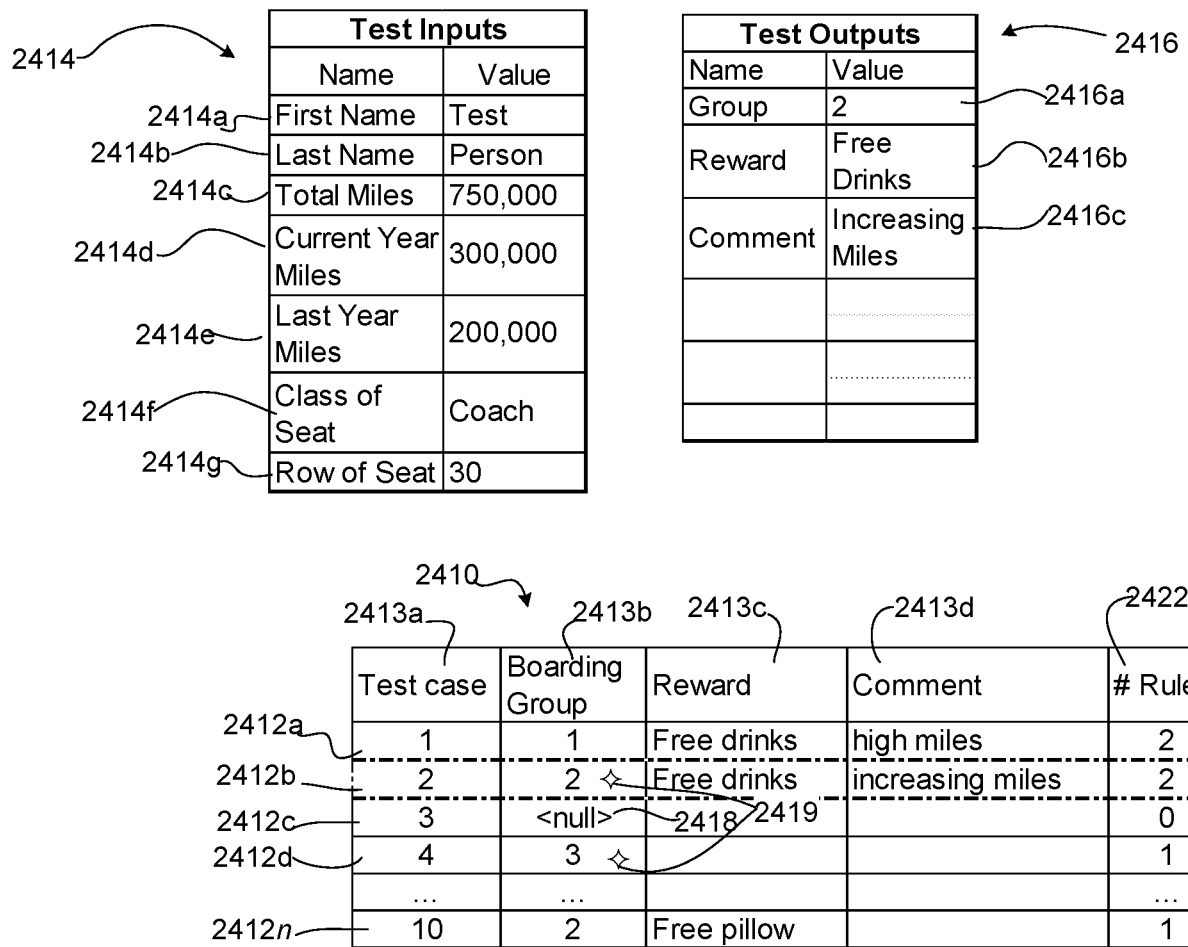


FIG. 31

2414		Test Inputs				Test Outputs		2416	
		Name	Value			Name	Value		
	2414a	First Name	Test			Group	2		2416a
	2414b	Last Name	Person			Reward	Free Drinks		2416b
	2414c	Total Miles	750,000			Comment	Increasing Miles		2416c
	2414d	Current Year Miles	300,000						
	2414e	Last Year Miles	200,000						
	2414f	Class of Seat	Coach						
	2414g	Row of Seat	30						

	2202	2204	2206	2208	2212
	Total frequent flyer miles	Current year frequent flyer miles	Class of seat	Row of seat	Boarding Group
2210a	>= 1,000,000				1
2210b			first		1
2210c	>= 100,000	>= lat year frequent flyer miles			2
2210d			business		2
2210e			else	<= 10	2
2210f			same	<= 40	3
2210g			same	<= 50	4
2210h			same	else	5

2200

FIG. 32