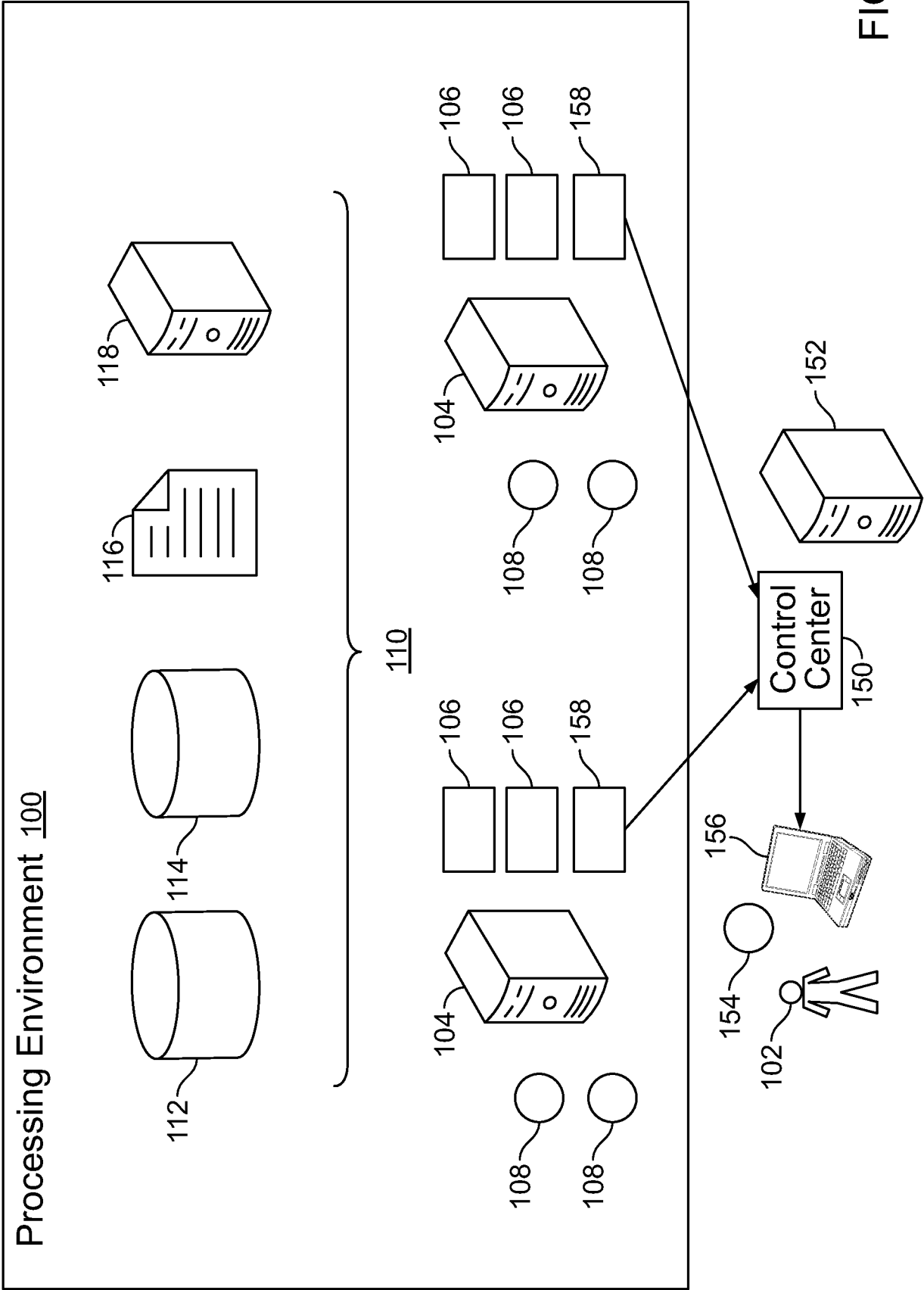




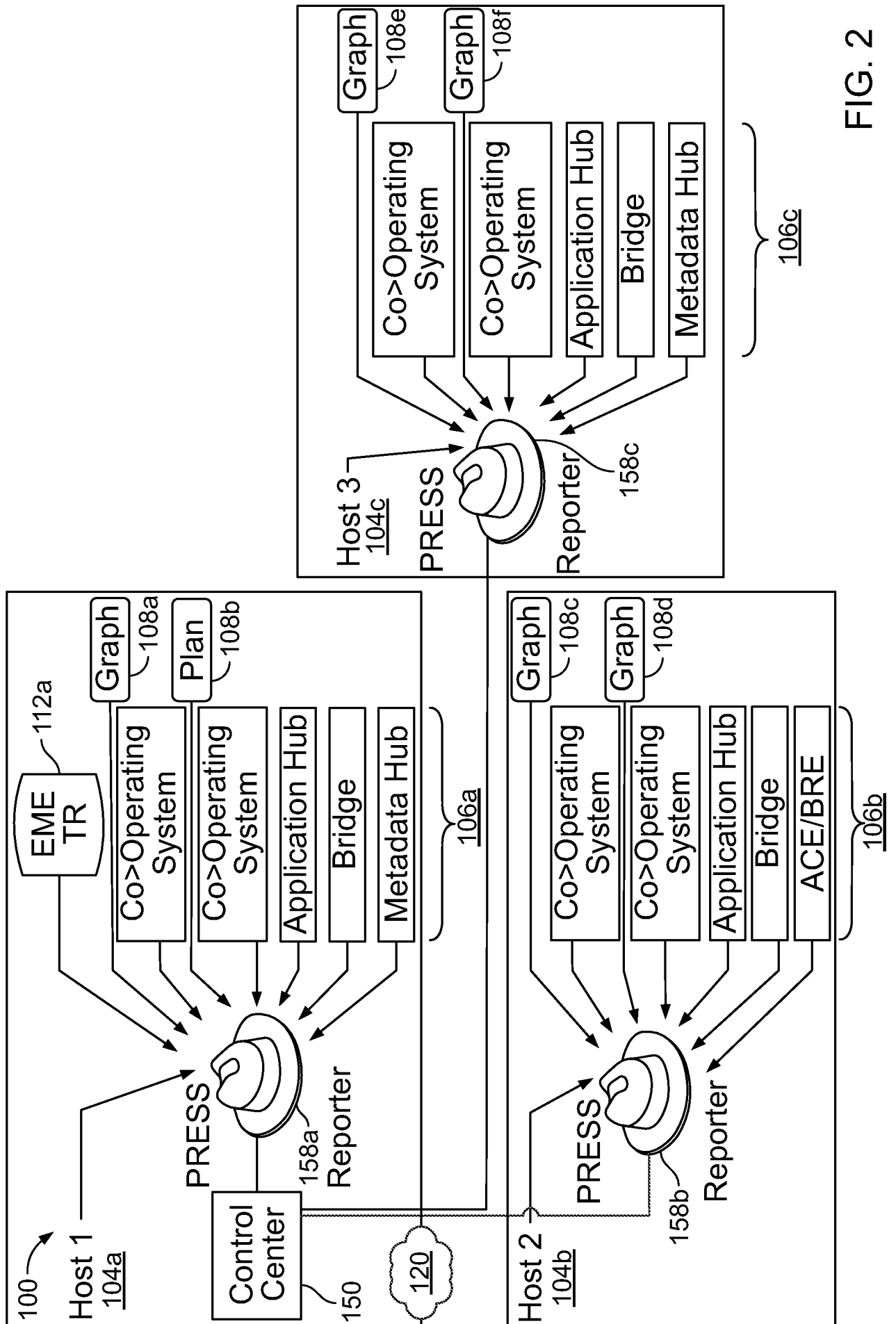


FIG. 2

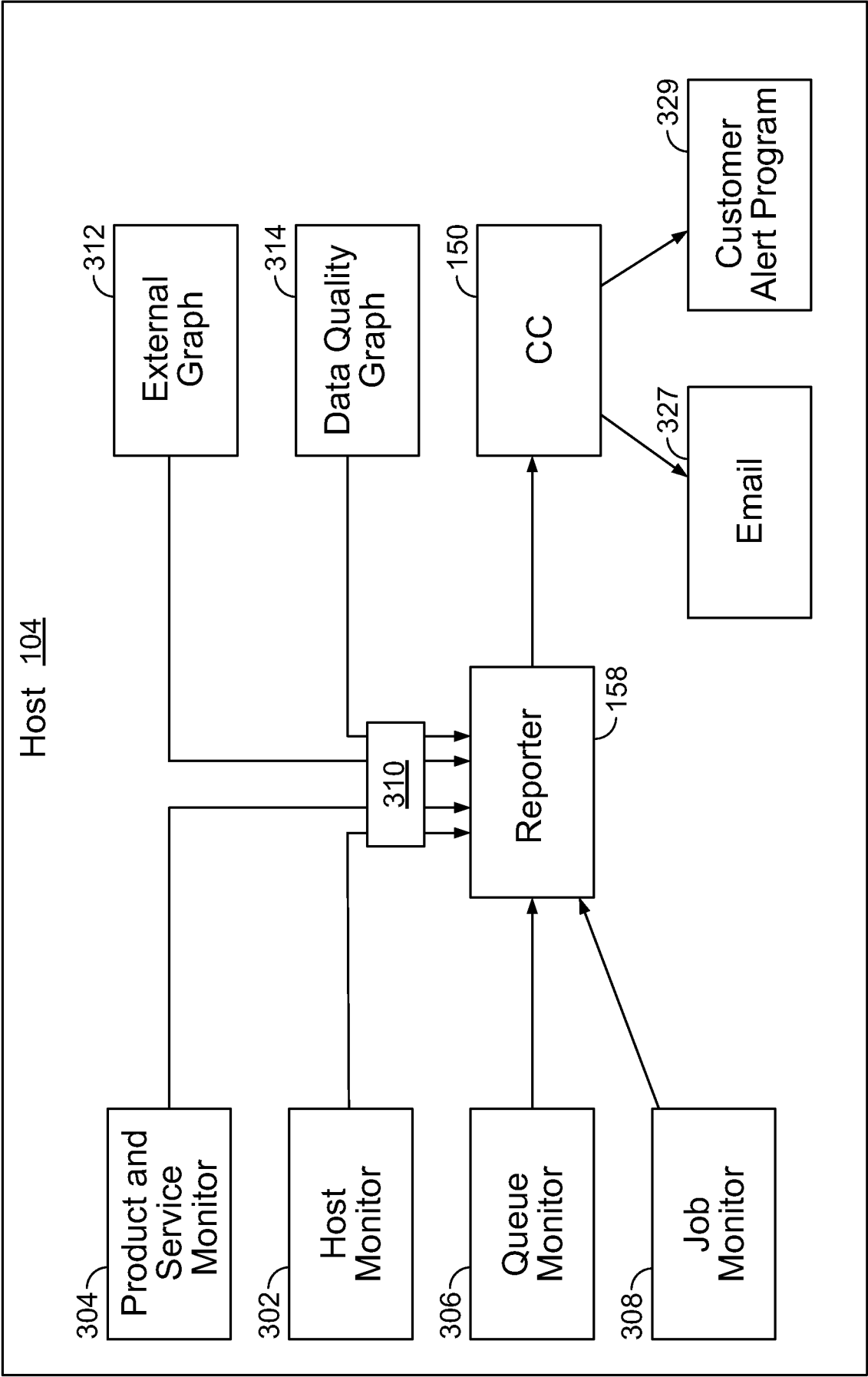


FIG. 3A

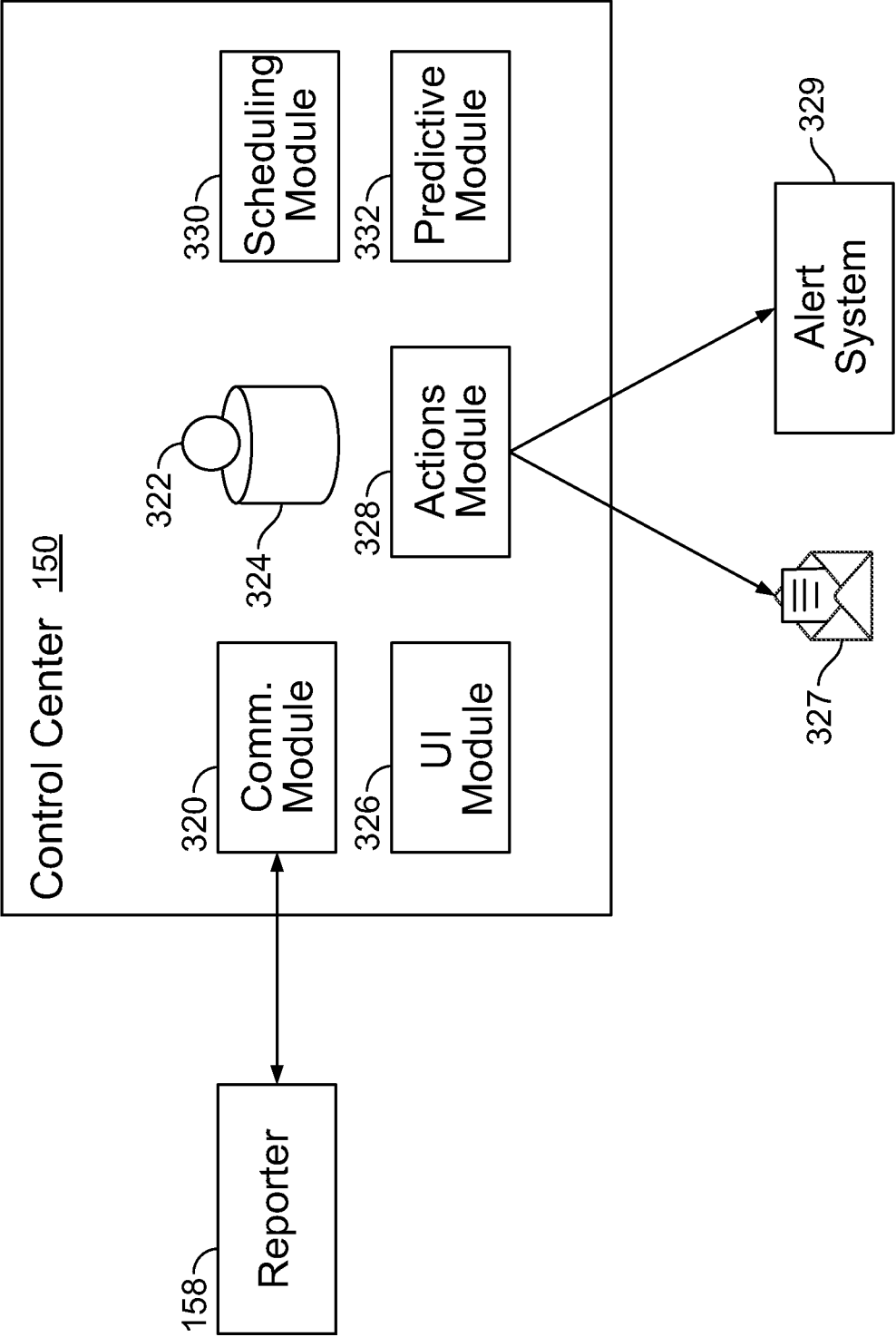
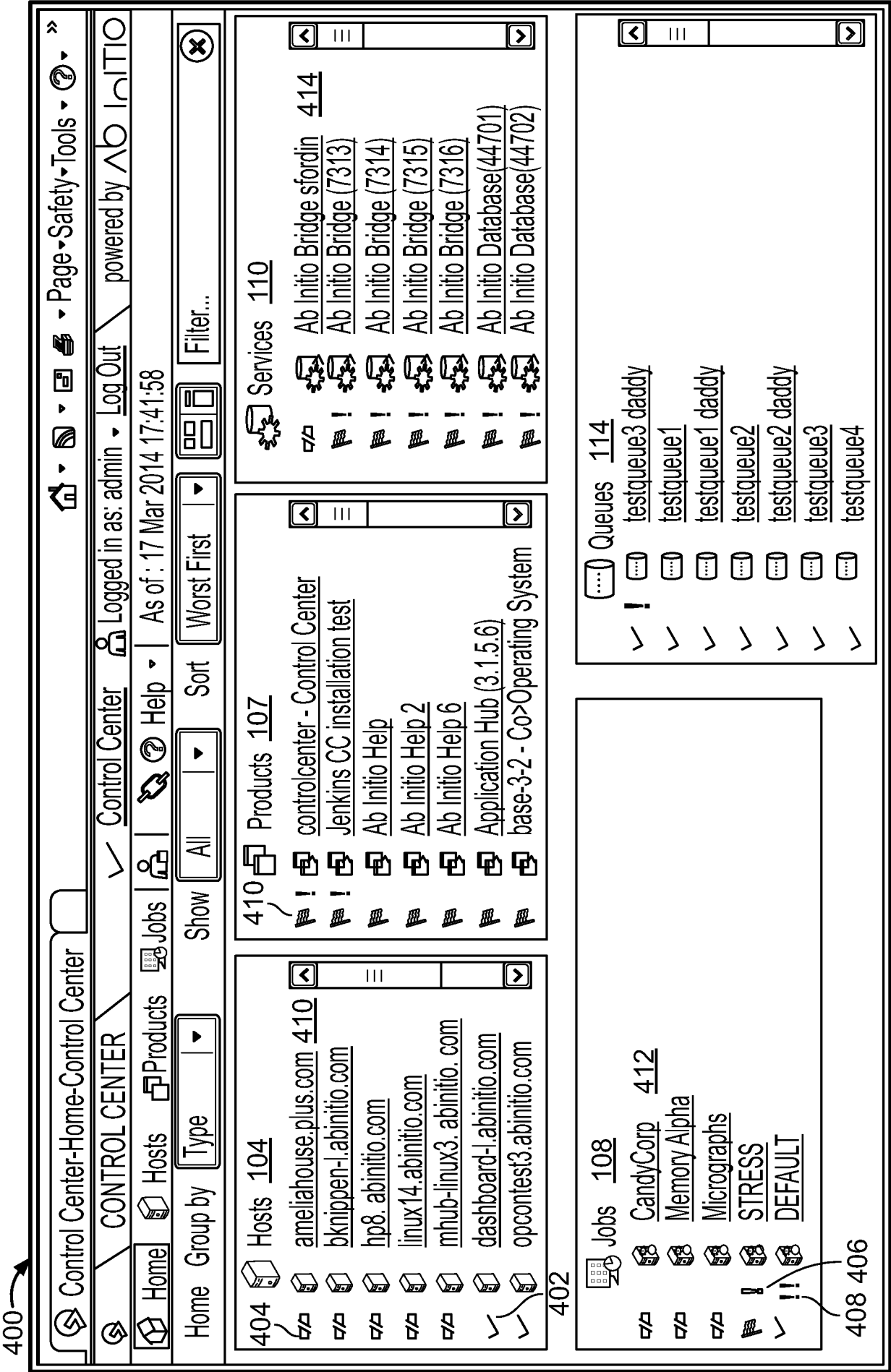


FIG. 3B



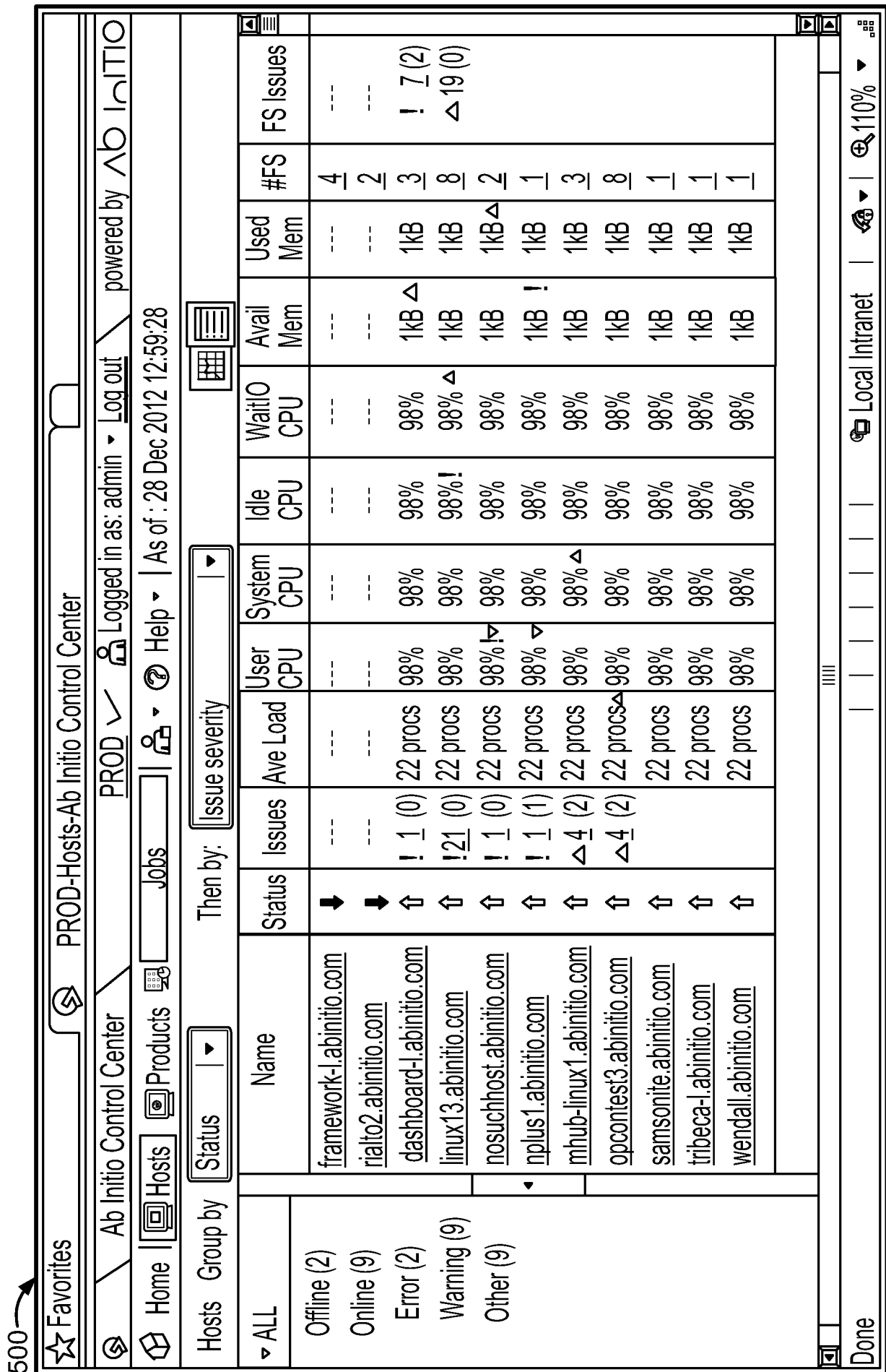


FIG. 5

650

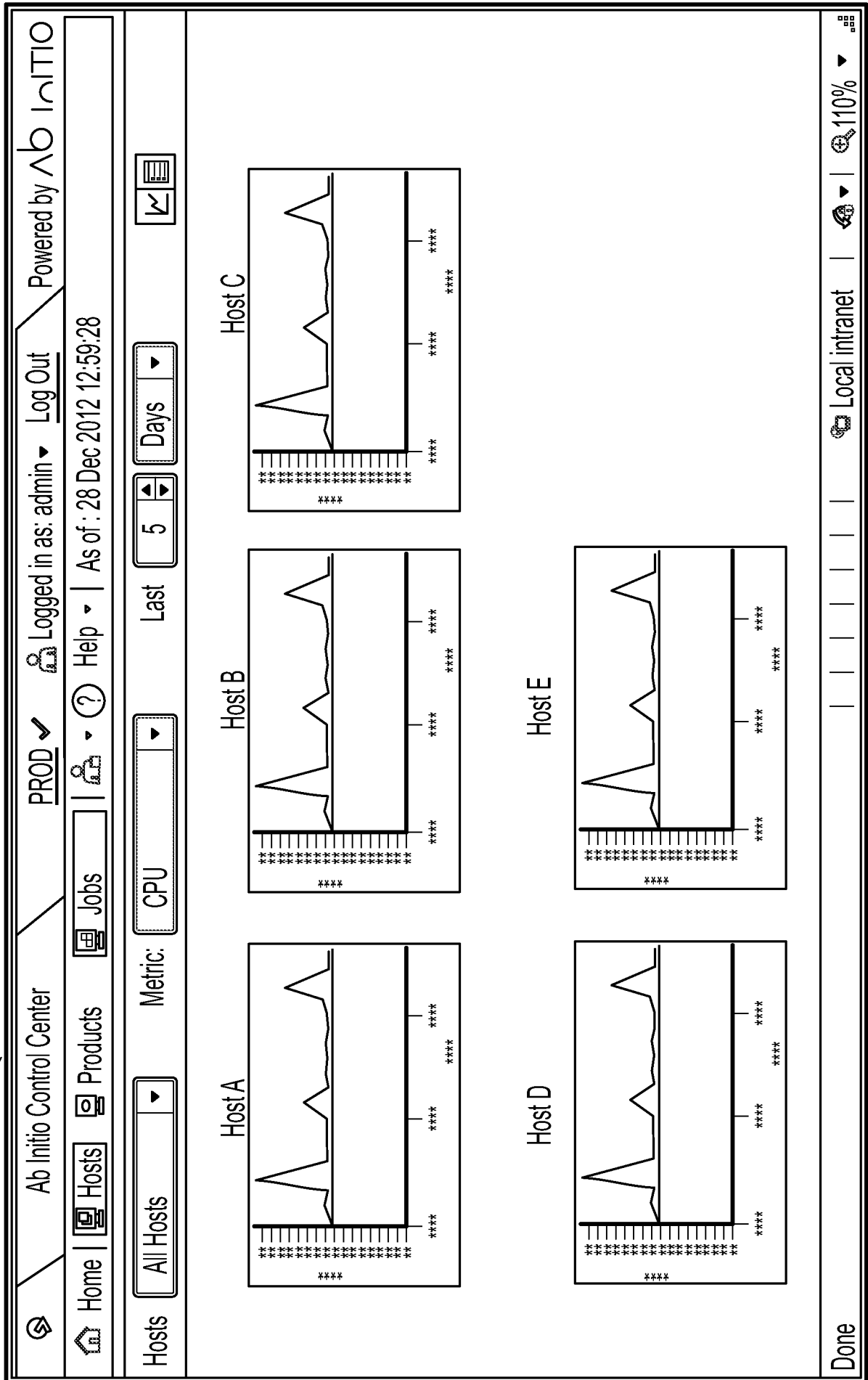


FIG. 6

8/44

700

Jobs - Control Center

Control Center

Home Hosts Products Jobs Help As of: 17 Mar 2014 17:50:02

Jobs by Host | OAll Hosts Host: abdemo.abinitio.com Daily Jobs

Group by Application 17 Mar 2014 0:00 - 18 Mar 2014 00:00

Job	Job Defi...	S...	I...	P...	Predi...	T...	Start	End	Elapsed	User	Total c...	CPU	Sys...	App...	Job...
bic fw sr	glbrpl src	✓					12:12:	12:12:	1 sec	abinitio	0.386	0.386	FINAN	Data A	
bic fw sr	glbrpl1 s	✓					12:12:	12:12:	1 sec	abinitio	0.402	0.402	FINAN	Data A	
bic fw sr	glbrcy src	✓					12:12:	12:12:	2 sec	abinitio	0.610	0.610	FINAN	Data A	
bic fw sr	rec51 src	✓					12:12:	12:12:	<1 sec	abinitio	0.397	0.397	FINAN	Data A	
bic fw sr	brbr elc sr	✓					12:12:	12:12:	1 sec	abinitio	0.425	0.425	FINAN	Data A	
bic fw sr	glbrbr src	✓					12:11:	12:11:	1 sec	abinitio	0.421	0.421	FINAN	Data A	
bic fw sr	glbrbrp1 s	✓					12:11:	12:11:	2 sec	abinitio	0.433	0.433	FINAN	Data A	
bic fw sr	045 prod	✓					12:11:	12:11:	2 sec	abinitio	0.453	0.453	FINAN	Data A	
bic fw sr	021 clie s	✓					12:11:	12:11:	1 sec	abinitio	0.409	0.409	FINAN	Data A	
bic fw sr	043 prod	✓					12:11:	12:11:	1 sec	abinitio	0.417	0.417	FINAN	Data A	
bic fw sr	037 prod	✓					12:11:	12:11:	<1 sec	abinitio	0.404	0.404	FINAN	Data A	
bic fw sr	229 clie s	✓					12:11:	12:11:	1 sec	abinitio	0.405	0.405	FINAN	Data A	
bic fw sr	015 prod	✓					12:11:	12:11:	<1 sec	abinitio	0.422	0.422	FINAN	Data A	
bic fw sr	015 clie s	✓					12:11:	12:11:	4 sec	abinitio	0.440	0.440	FINAN	Data A	

FIG. 7

800

☆ Favorites | PROD - Products - Ab Initio Control Center | powered by Ab Initio

Home | Hosts | Products | Jobs | Logged in as: admin | Log Out | Help | As of: 28 Dec 2012 12:59:28

Products Group by: Host | + Create... | Filter

Type	Status	Issues	Instance Name	Version	Host	Category
ab-db	☐	☐	MHDB	3.1.4	Host D	Output Systems
Enterprise Meta > Enviro...	☐	!	hostb-emeir	3.1.1.1	Host B	Enterprise Systems
Key Server	☐	△	Keyserver1	3.0.5	Host B	Infrastructure team
Application Hub	☒		hostb-apphub	3.1.1.2	Host B	Infrastructure team
Ab Initio Bridge	☐		hostb-bridge-7070	3.2	Host B	Infrastructure team
Authorization Gateway	☐		hostc-AG1	3.1.4	Host C	Infrastructure team
Application Hub	☒		hostd-apphub	3.1.2	Host D	Enterprise Systems
Help Server	☐		hostb-help	3.1.4	Host B	Output Systems
Oracle database	☐		ORA-AG-PROD		Host B	Infrastructure team
Metadata Hub	☐		hosta-metahub	3.1.5	Host A	Output Systems
Application Configuratio...	☐		hosta-appconf	3.1.5	Host A	Enterprise Systems
Co > Operating System	☒		hostd-serversoftware	3.2	Host D	Enterprise Systems

Done | Local intranet | 110%

FIG. 8

Type	Status	Issues	Instance Name
ab-db	☐	☐	MHDB
Enterprise Meta > Enviro...	D	!	hostb-emetr
Key Server	D	Δ	Keyserver1
Application Hub	✓		hostb-apphub
Ab Initio Bridge	D		hostb-bridge-7070
Authorization Gateway	D		hostc-AG1
Application Hub	✓		hostd-apphub
Help Server	D		hostb-help
Oracle database	D		ORA-AG-PROD
Metadata Hub	D		hosta-metahub
Application Configuratio...	D		hosta-appconf
Co>Operating System	✓		hostd-serversoftware

▷ Metadata Hub: hosta-metahub ⊗ — 900

URL: ↗ http://hosta:6761

Host: Host A

Category: Output Systems

Actions

[Details](#)
[Edit](#)
[Configure](#)

[☐ Stop](#)
 [Open Log File](#)
 [Review Issues](#)
 [Suspend Alerting](#)
 [Migrate to new app-hub](#)
 [Upgrade](#)
 [Remove from Monitor](#)

Host D Enterprise Systems

FIG. 9A

Type	Status	Issues	Instance Name	Version	Host	Category
ab-db	☐	☐	MHDB	3.1.4	Host D	Output Systems
Enterprise Meta > Enviro...	☐	!	hostb-emetr	3.1.1.1	Host B	Enterprise Systems
Key Server	☐	△	Keyserver1	✓ Application Hub: hostb-apphub ⊗		
Application Hub	✓		hostb-apphub	Host: Host B Root directory: c:/AbInitio-AppHub Version: 3.1.1.2 Owner: fiones Category: Infrastructure Team		
Ab Initio Bridge	☐		hostb-bridge-7070	Connections: Run Co>Operating Systems: 4 EME Trs: 2 Bridges: 2		
Authorization Gateway	☐		hostc-AG1			
Application Hub	✓		hostd-apphub			
Help Server	☐		hostb-help			
Oracle database	☐		ORA-AG-PROD			
Metadata Hub	☐		hosta-metahub			
Application Configuratio...	☐		hosta-appconf			
Co>Operating System	✓		hostd-serversoftware			
				Actions: Details Edit Configure Add Ab Initio Application Remove from Monitor		

FIG. 9B

180 →

Control Center - Configure																	
Configuration for Application Hub: dlachuisa-7-apphub																	
Save Cancel Validate Help																	
By Type	By Host																
Text																	
Name: dlachuisa-7-apphub Host: dlachuisa-7 Root directory: C:/Abinitio-App-Hub Version: 3.2.1.1 primary Linux-x86-gcc4p64 second Published Help server: Change... Key status: none published non-expiring ▼ Published Co>Operating Systems <table border="1"> <thead> <tr> <th>Display Name</th> <th>AB_HOME</th> </tr> </thead> <tbody> <tr> <td>V3.1.3</td> <td>/usr/local/abinitio-V3-1-3</td> </tr> <tr> <td>V2.16</td> <td>/usr/local/abinitio-V2-16</td> </tr> <tr> <td>V2.15</td> <td>/usr/local/abinitio-V2-15</td> </tr> <tr> <td>V2.14</td> <td>/usr/local/abinitio-V2-14</td> </tr> <tr> <td>V2.131</td> <td>/usr/local/abinitio-V2-13-1</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table> + Add... Edit Remove		Display Name	AB_HOME	V3.1.3	/usr/local/abinitio-V3-1-3	V2.16	/usr/local/abinitio-V2-16	V2.15	/usr/local/abinitio-V2-15	V2.14	/usr/local/abinitio-V2-14	V2.131	/usr/local/abinitio-V2-13-1				
Display Name	AB_HOME																
V3.1.3	/usr/local/abinitio-V3-1-3																
V2.16	/usr/local/abinitio-V2-16																
V2.15	/usr/local/abinitio-V2-15																
V2.14	/usr/local/abinitio-V2-14																
V2.131	/usr/local/abinitio-V2-13-1																
AB_COOPERATING_SYSTEMS : release314 release313 release311 AB_HOME @ release314 : /usr/local/abinitio-V3-1-4 AB_DISPLAY_NAME @ release314 : Co>Operating System 3.1.4 AB_DESCRIPTION @ release314 : Use for running all newly created graphs AB_HOME @ release313 : /usr/local/abinitio-V3-1-3 AB_DISPLAY_NAME @ release313 : Co>Operating System 3.1.3 AB_DESCRIPTION @ release313 : Use for running graphs in projects Y and Z AB_HOME @ release311 : /usr/local/abinitio-V3-1-1 AB_DISPLAY_NAME @ release311 : Co>Operating System 3.1.1 AB_DESCRIPTION @ release311 : Use for running graphs in project X AB_EME_REPOSITORIES : deveme testeme AB_AIR_ROOT @ deveme : //unixhost/disk1/data/dev/eme AB_DISPLAY_NAME @ deveme : Development technical repository AB_DESCRIPTION @ deveme : Developers should use this technical repository																	

FIG. 10

Published Bridges Published Key Servers Other Config Vars	AB_AIR_BRANCHES @ deveme : main release_1_0 : Release 2_0 AB_DISPLAY_NAME @ deveme.main : Main branch AB_DESCRIPTION @ deveme.main : Branch for all new development AB_DISPLAY_NAME @ deveme.release_1_0 : Release 1.0 branch AB_DESCRIPTION @ deveme.release_1_0 : Branch for hotfixes to Rel 1.0 ONLY AB_DISPLAY_NAME @ deveme.release_2_0 : Release 2.0 branch AB_DESCRIPTION @ deveme.release_2_0 : Branch for hotfixes to Rel 2.0 ONLY AB_AIR_ROOT @ testeme : //unixhost/disk1/data/test/eme AB_DISPLAY_NAME @ testeme : Test technical repository AB_DESCRIPTION @ testeme : QA team should use this technical repository AB_KEYSERVER_GROUPS : examplecorp AB_KEYSERVER_URLS @ examplecorp : abks://keyserver1.examplecorp.com:6150 abks://k AB_KEYSERVER_ADMIN_EMAIL @ examplecorp : abadmin@examplecorp.com AB_DESCRIPTION @ examplecorp : development key servers
---	--

FIG. 10(Cont...)

14/44

190

Type	Status	Issues	Instance Name	Version	Host	Category
ab-db	☐	☐	MHDB	3.1.4	Host D	Host: Host B
Enterprise Meta > Enviro...	☒	!	hostb-emetr	3.1.1.1	Host B	Operating system: Linux 2.6.18-92.el5PAE # 1 SM...
Key Server	☒	△	Keyserver1	3.0.5	Host B	Aliases: abc xyz
Application Hub	☒		hostb-apphub	3.1.1.2	Host B	Key expiration: 2013-12-31
Ab Initio Bridge	☒		hostb-bridge-7070	3.2	Host B	Keyed products: 4
Authorization Gateway	☒		hostc-AG1	3.1.4	Host C	Host statistics:
Application Hub	☒		hostd-apphub	3.1.2	Host D	Load avg: 2.32 Num processes: 147
Help Server	☒		hostb-help	3.1.4	Host B	Non-idle CPU: 16% Mem in use: 82%
Oracle database	☒		ORA-AG-PROD		Host B	File systems: 2
Metadata Hub	☒		hosta-metahub	3.1.5	Host A	Job statistics:
Application Configuratio...	☒		hosta-appconf	3.1.5	Host A	Jobs today: 148 Avg daily jobs: 311
Co>Operating System	☒		hostd-serversoftware	3.2	Host D	CPU today: 0.0 sec Avg CPU over 1 days: 0 sec
						Actions: Details
						Edit
						Review Issues
						Suspend Alerting
						Return Key
						Install New Key
						Run ab-computer-info
						Remove from Monitor

FIG. 11A

190

Type	Status	Issues	Instance Name	Version	Host	Category
ab-db	☐	☐	MHDB	3.1.4	Host D	Host: Host B
Enterprise Meta > Enviro...	☒	!	hostb-emetr	3.1.1.1	Host B	Operating system: Linux 2.6.18-92.el5PAE # 1 SM...
Key Server	☒	△	Keyserver1	Keyed Products	192	abc XYZ
Application Hub	☒		hostb-apphub	Name	Expiration Date	n: 2013-12-31
Ab Initio Bridge	☒		hostb-bridge-7070	Co>Operating System	2013-06-01	4
Authorization Gateway	☒		hostc-AG1	Enterprise Meta Environment	2013-12-31	2.32
Application Hub	☒		hostd-apphub	Data Profiler	2013-11-15	U: 16%
Help Server	☒		hostb-help	Conduct>lt	2014-03-31	Mem in use: 82%
Oracle database	☒		ORA-AG-PROD			Num processes: 147
Metadata Hub	☒		hosta-metahub	3.1.5	Host A	
Application Configuratio...	☒		hosta-appconf	3.1.5	Host A	Jobs today: 148
Co>Operating System	☒		hostd-serversoftware	3.2	Host D	Avg daily jobs: 311
						CPU today: 0.0 sec
						Avg CPU over 1 days: 0 sec
						Actions: Details Edit
						Review Issues
						Suspend Alerting
						Return Key
						Install New Key
						Run ab-computer-info
						Remove from Monitor

FIG. 11B

250

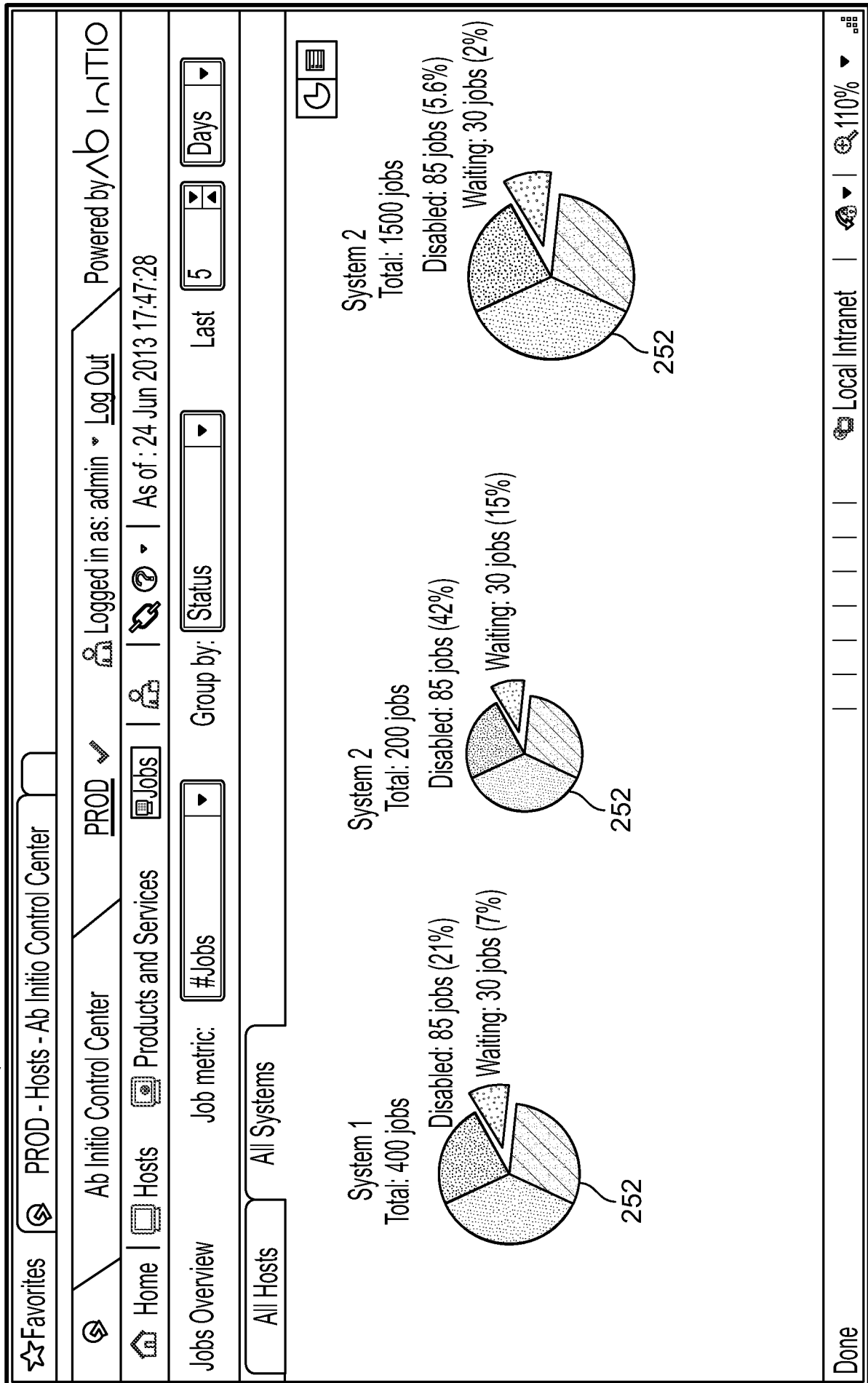


FIG. 12A

260

☆Favorites

PROD - Hosts - Ab Initio Control Center

Ab Initio Control Center

PROD

Logged in as: admin

Log Out

Powered by Ab Initio

Home

Hosts

Products and Services

Jobs

As of: 24 Jun 2013 17:47:28

Jobs Overview

Job metric: #Jobs

Group by: Status

Last 5 Days

All Hosts

All Systems

264

Status	Issues (alerts)	Name						Total
⌚	! 21(0)	CandyCorp	2	3 (FZ)	5	60 (12 F1)	1	50 (17)
✓	Δ 4 (2)	Finance	3	1	25	1 (Δ 2)	2	13

262

266

Done

Local Intranet

110%

FIG. 12B

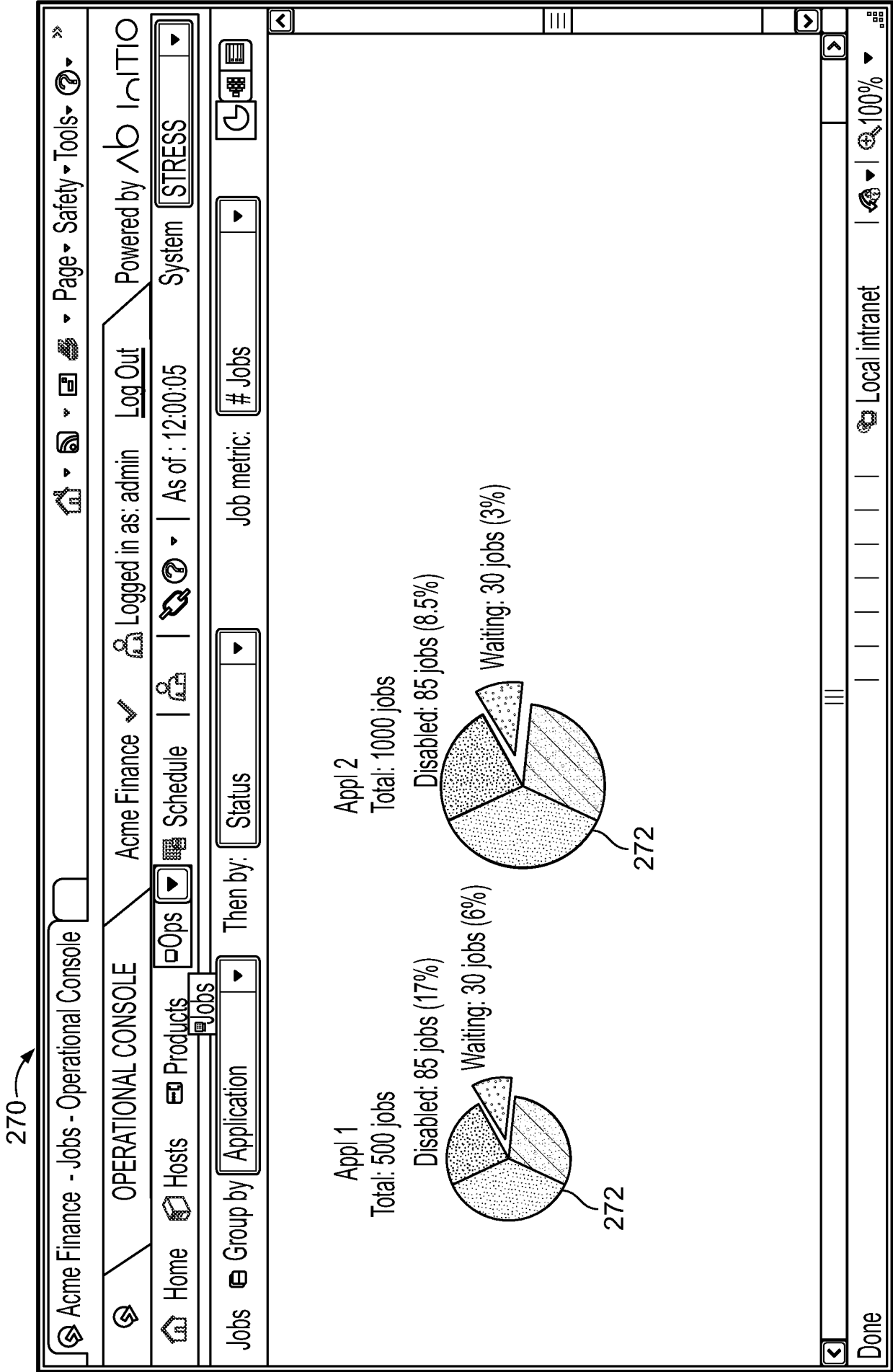


FIG. 12C

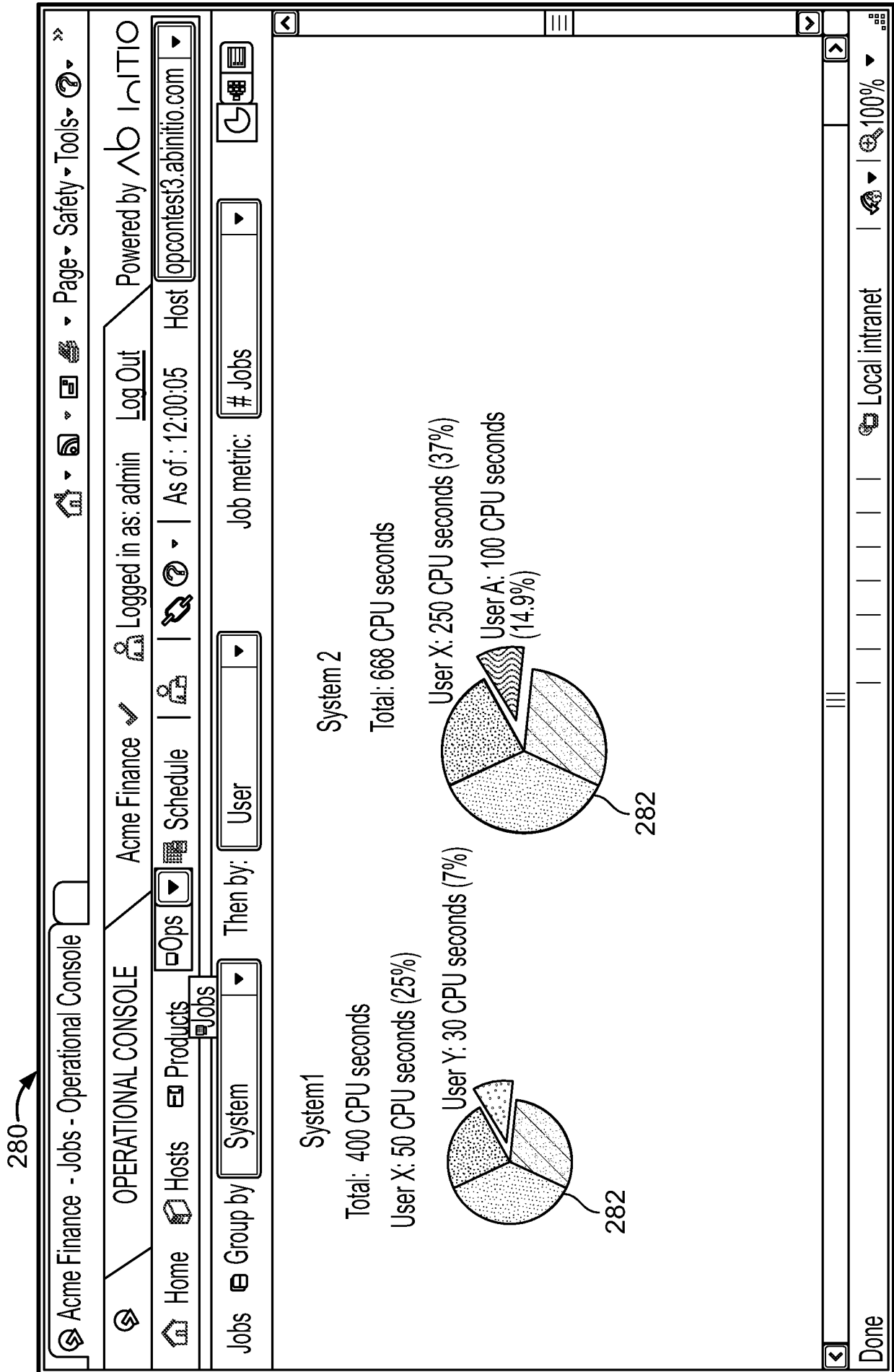


FIG. 12D

350

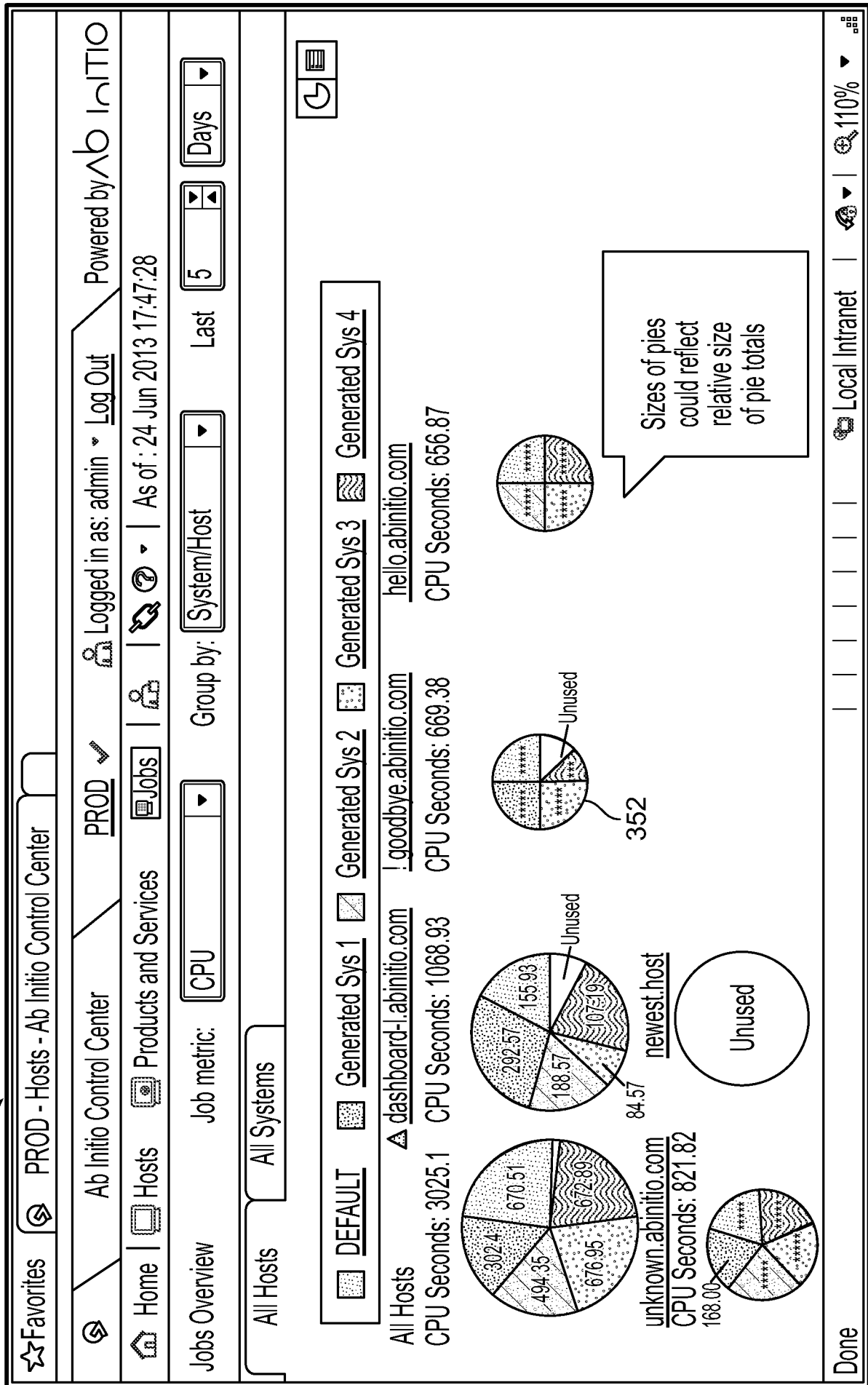


FIG. 13A

360

☆Favorites

PROD - Hosts - Ab Initio Control Center

Ab Initio Control Center

PROD

Logged in as: admin

Log Out

Powered by Ab Initio

Home

Hosts

Products and Services

Jobs

As of: 24 Jun 2013 17:47:28

Jobs Overview

Job metric: CPU

Group by: System/Host

Last 5 Days

All Hosts

All Systems

Status Issues (alerts)

364

	# jobs	Total CPU	Total Read,Records	Avg rate, records	Job metric 4 etc
↑ ! 1 (0)	dashboard-l.abinitio.com				
↓ ---	framework-l.abinitio.com				
↑ ! 21 (0)	linux13.abinitio.com				
↑ Δ 4 (0)	mhub-linux1.abinitio.com				
↑ ! 1 (0)	nosuchhost.abinitio.com				
↑ ! 1 (1)	nplus1.abinitio.com				
↑ Δ 4 (2)	opcontest3.abinitio.com				
↓ ---	rialto2.abinitio.com				

362

Done

Local Intranet | 110%

FIG. 13B

450 →

Alert Definitions

Object Type: All

Group by: Object Type

Filter

Create...

Name	Alert Definition	Recipients
Database Down	Alert Definition: Database Down Matching Rules: Product Type = Database, ... Actions: Send Mail, Run Program Recipients: Mark Brown, Operators Actions: Details Edit Disable Delete	

 Mark Brown, Operators |

FIG. 14A

452

Details for Alert Definition: Database Down

Info

Matching Rules

Actions

Name:

Database Down

☐ Enabled

Object Type:

Product

FIG. 14B

454

✕

Details for Alert Definition: Database Down

Info

Matching Rules

Actions

Event fields and values that match to generate the alert:

Event Field

Matching Value

How Often: Always

Product Type		
Event Code		

⊕ Create...

⊗ Delete

✕

How Often?

☒ Always

☐ Every 600 seconds

☐ Every 2 matches

☐ Every time the status changes

☐ Only when the status gets worse

☐ Not if repeated within 60 seconds

OK

Cancel

⋮

FIG. 14C

✕

Details for Alert Definition: Database Down

Save

Cancel

456

Info

Matching Rules

Actions

Action Type	Details	Recipients
Send Mail	From: Da Boss; Subject: DB Down; Body: The Database is down	Mark Brown, ...
Run Program	Command Line: /usr/log/sms.exe \${alertvalue }	

+

Create...

✎

Edit...

✕

Delete

FIG. 14D

Details for Alert Definition: Database Down

458

Save

Cancel

Info

Matching

Action Type	Expression
Send Mail	Da Boss
Run Program	\${RecipientEmails}
	Database is down
	DB Down: \${summary} \${eventvalue} is...

+

 Create...

✕

 Edit...

✕

 Delete

✕

Action: Send Mail

Action Type: Send Mail

Parameter	Expression
From	Da Boss
To	\${RecipientEmails}
Subject	Database is down
Body	DB Down: \${summary} \${eventvalue} is...

Edit...

OK

Cancel

Recipients

Mark Brown, ...

FIG. 14E

750

New Account

Save

Cancel

?

Info

Roles

Member of Groups

Roles from Groups

Global roles:

☐ Administrator

☐ CC Agent

Hosts area roles:

☐ Hosts Area Admin

☐ Hosts Area Monitor

Products area roles:

☐ Products Area Admin

☐ Products Area Operator

☐ Products Area Monitor

Jobs area roles:

☐ Account Administrator

☐ Environment Administrator

☐ Computer Key Admin

☐ User Key Bundle Admin

System	Role

+ Add...

Edit

x Remove

FIG. 15A

New Account

[Save] [Cancel] [?]

Info Roles Member of Groups Roles from Groups

Global roles:

- ☐ Administrator
- ☐ CC Agent

Hosts area roles:

- ☐ Hosts Area Admin
- ☐ Hosts Area Manager
- ☐ Products area Manager
- ☐ Products Area Admin
- ☐ Products Area Manager
- ☐ Jobs area roles Manager
- ☐ System Manager

Add System Role

System: Candy Corp ▼

Role:

- Jobs Data Editor
- Jobs Data Editor
- Jobs Data Viewer
- Jobs Monitor
- Jobs Operator
- Jobs Schedule Approver

[+ Add...] [Edit] [Remove]

FIG. 15B

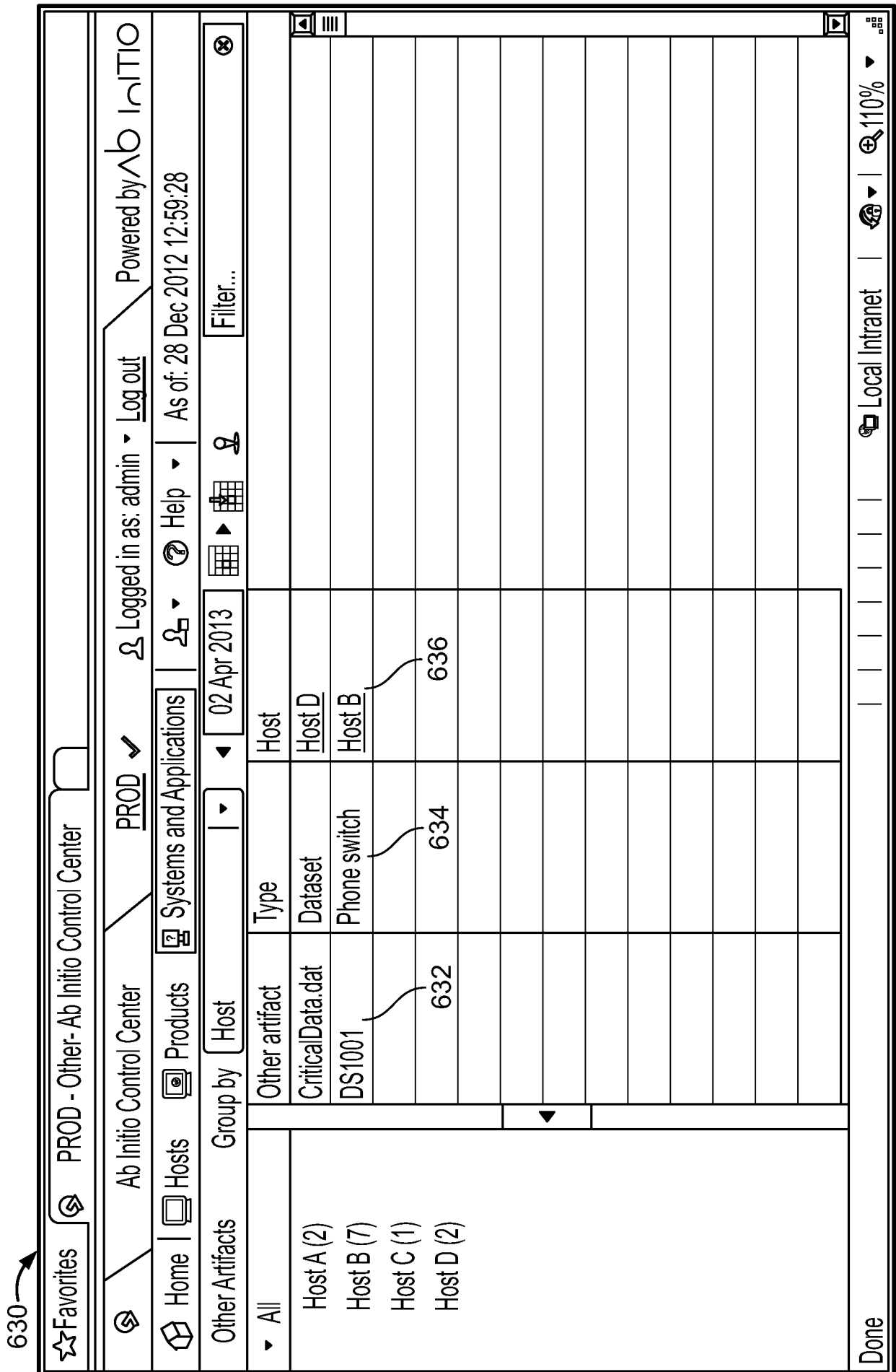


FIG. 16

640

Add Other Product

ⓧ

②

Info

Related Items

Commands

Name:

Other Product

Product type:

Other Product

Description:

Host:

▼

Info

Category:

Version:

Configuration file:

Configuration user:

Port:

URL:

AB_HOME:

Log file path:

Working directory:

OK

Cancel

FIG. 17A

Add Other Product	
by Type	⊗
Instal Cate	
Ab	
Ab	
Ab	
Ab	
Ab	
Ab	
Info Related Items Commands	
Relationship Related Item	
Add Related Product or Service	
Select a Product or service that this product depends on : Show: All Products & Services Filter... ⊗	
Instance Name	Category
Ab Initio Bridge 2 (7070)	
Ab Initio Bridge 2 (7314)	opcontest4.abinitio.com
Ab Initio Bridge 2 (7315)	hp8.abinitio.com
Ab Initio Bridge 2 (7316)	mhuh-linux1.abinitio.com
Ab Initio Bridge 3 (7070)	hp8.abinitio.com
Ab Initio Bridge 4 (7070)	opcontest4.abinitio.com
	opcontest3.abinitio.com
OK Cancel	
+ Create... ⊗ Delete	

660

Add Other Product

ⓧ

②

Info

Related Items

Commands

Status command:

'OK' status regex:

'Not OK' status regex:

Start command:

Stop command:

Restart command:

OK

Cancel

FIG. 17C

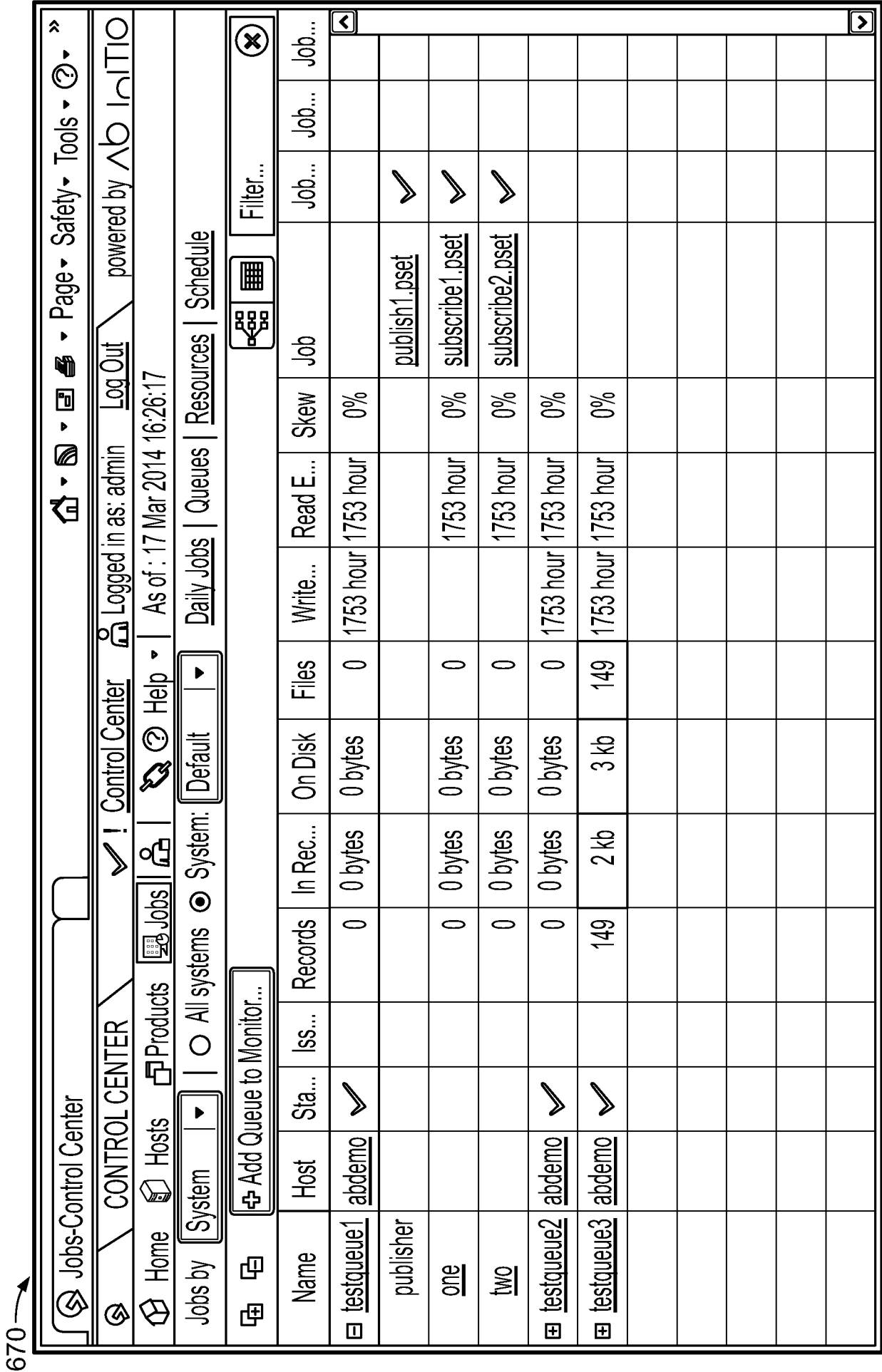


FIG. 18

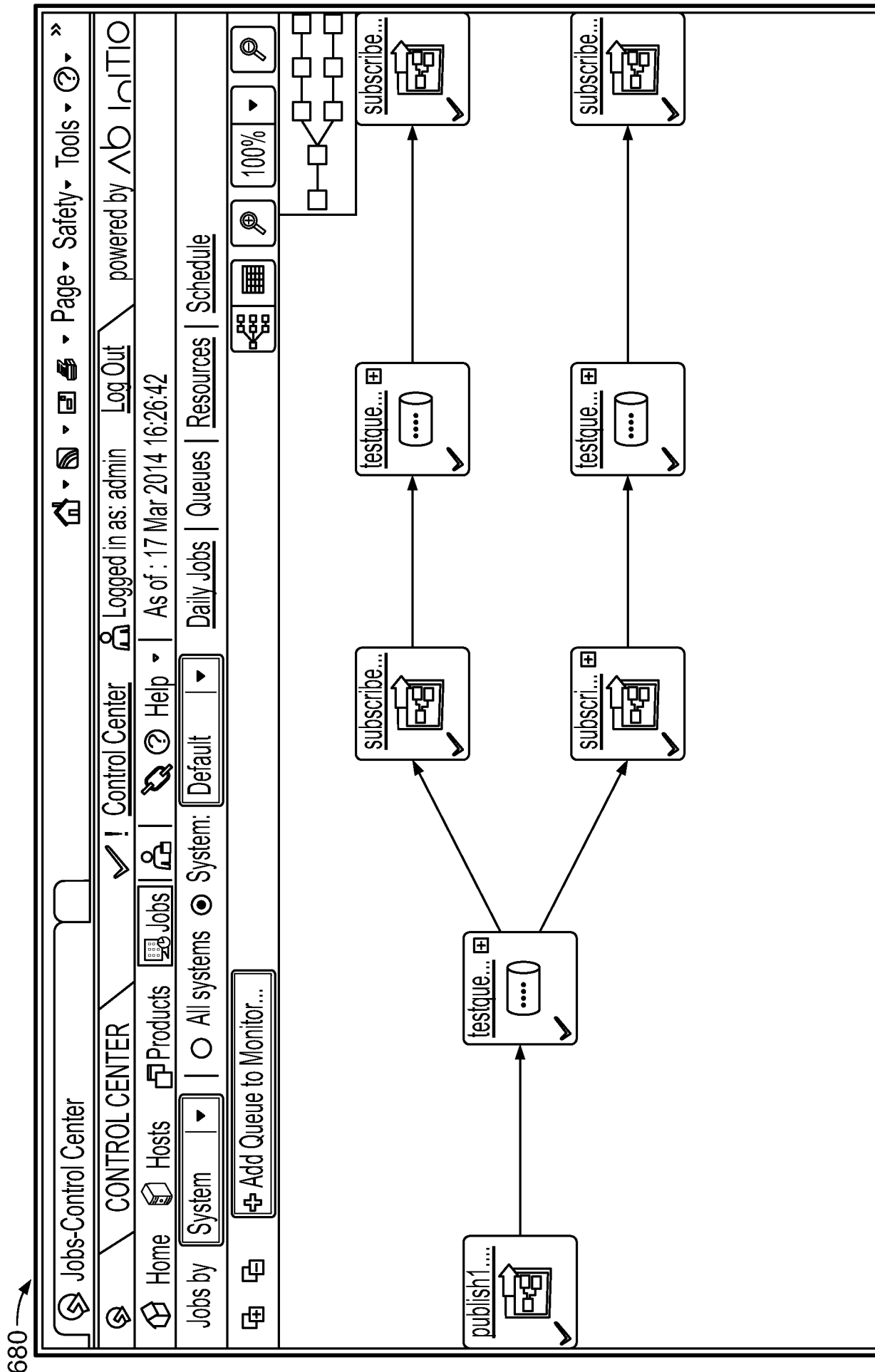
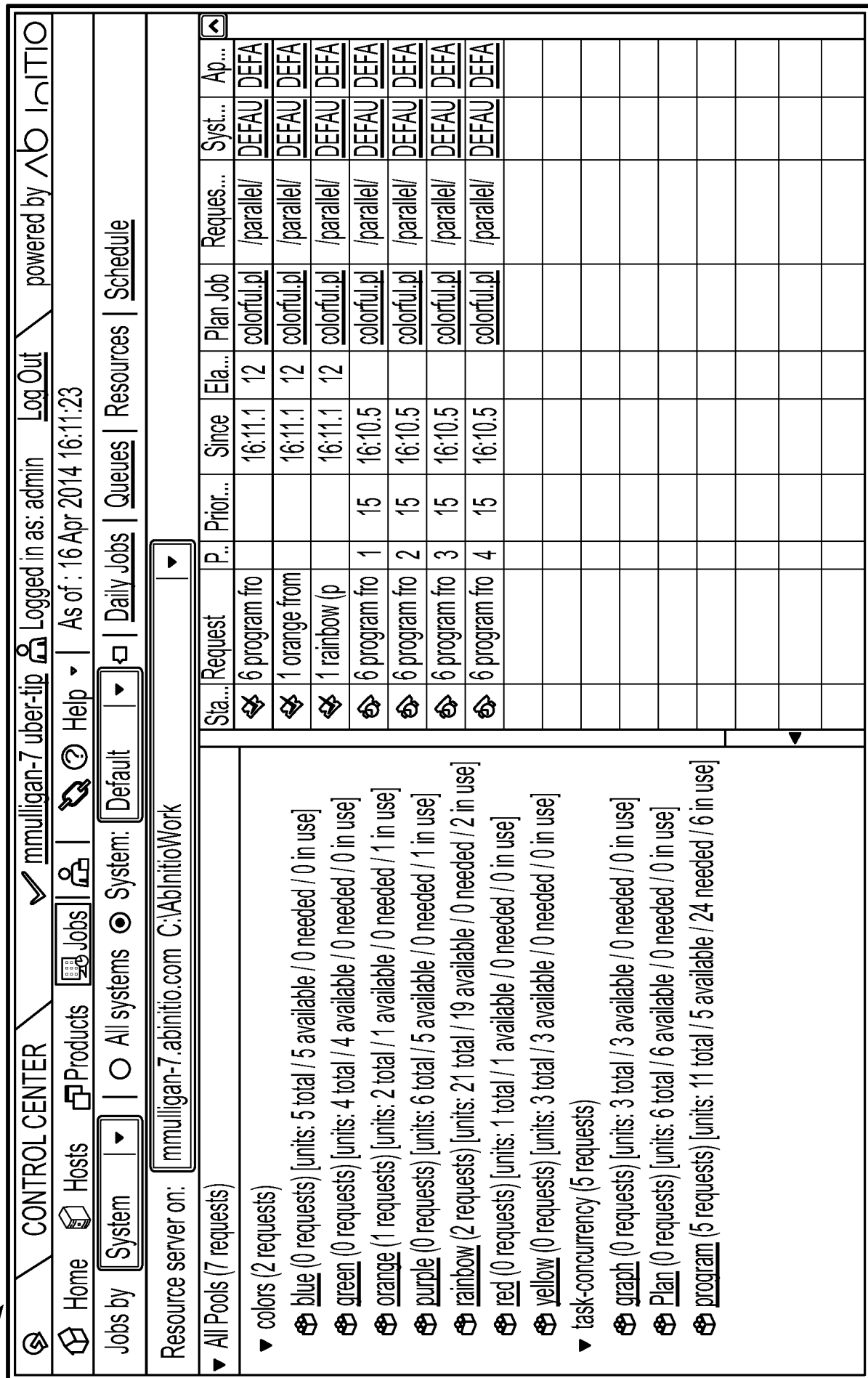


FIG. 19



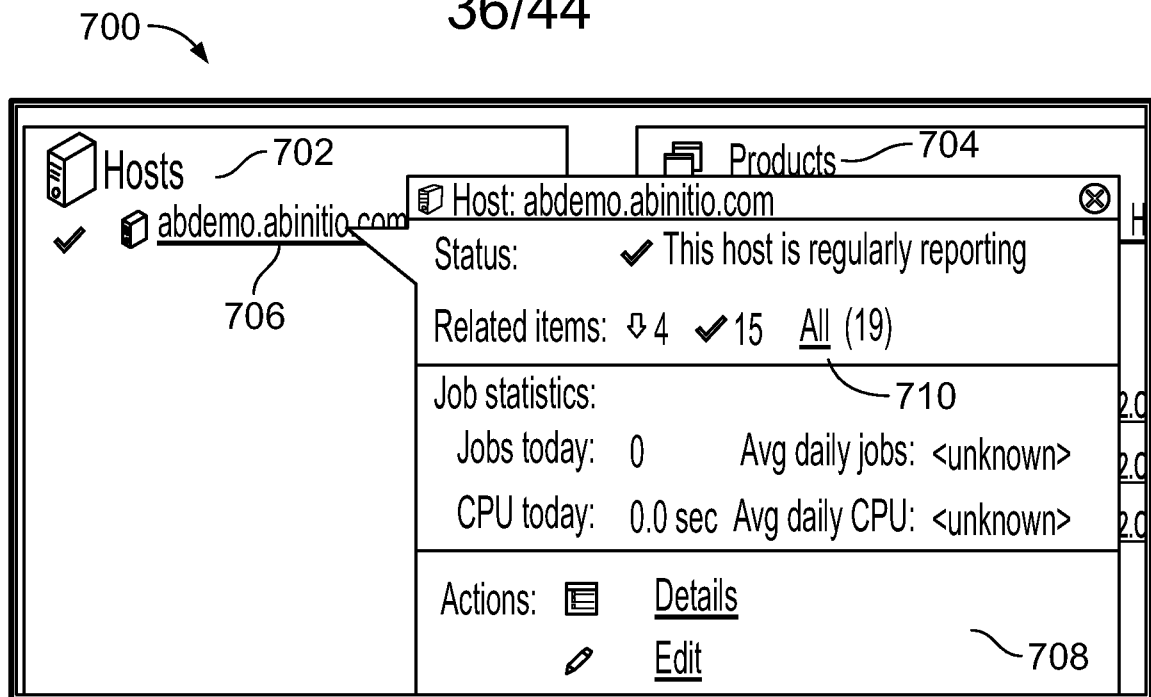


FIG. 21A

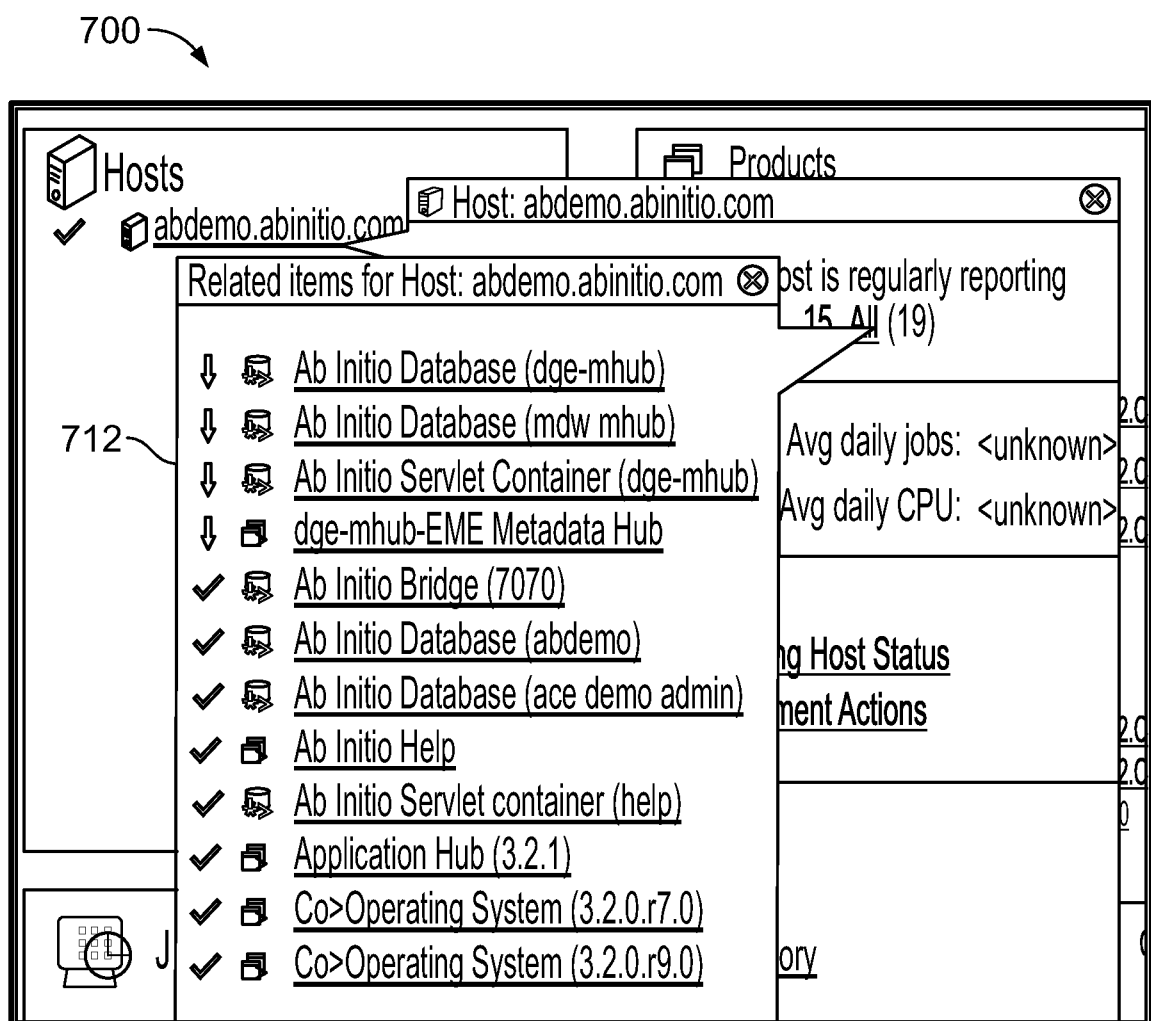
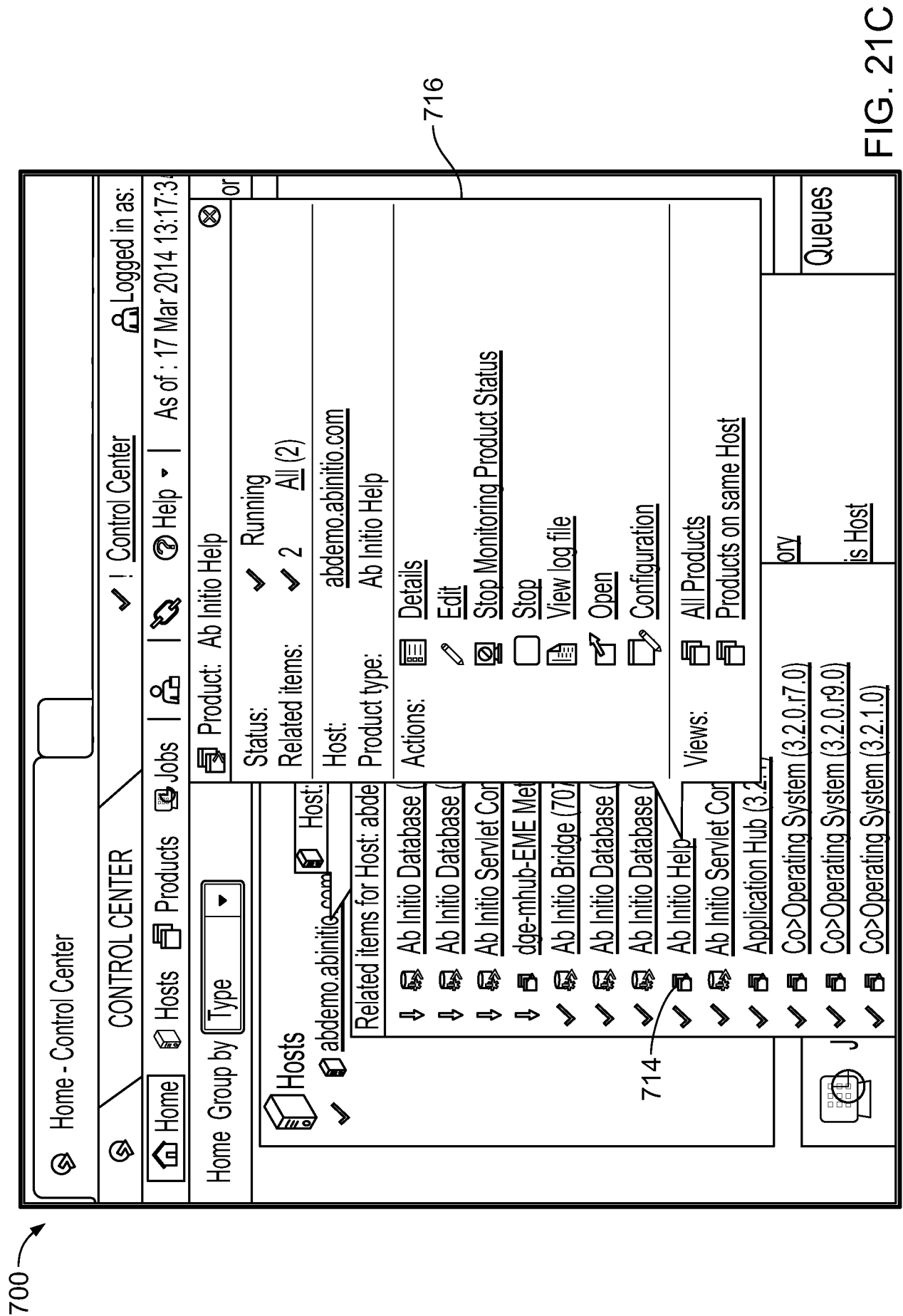


FIG. 21B



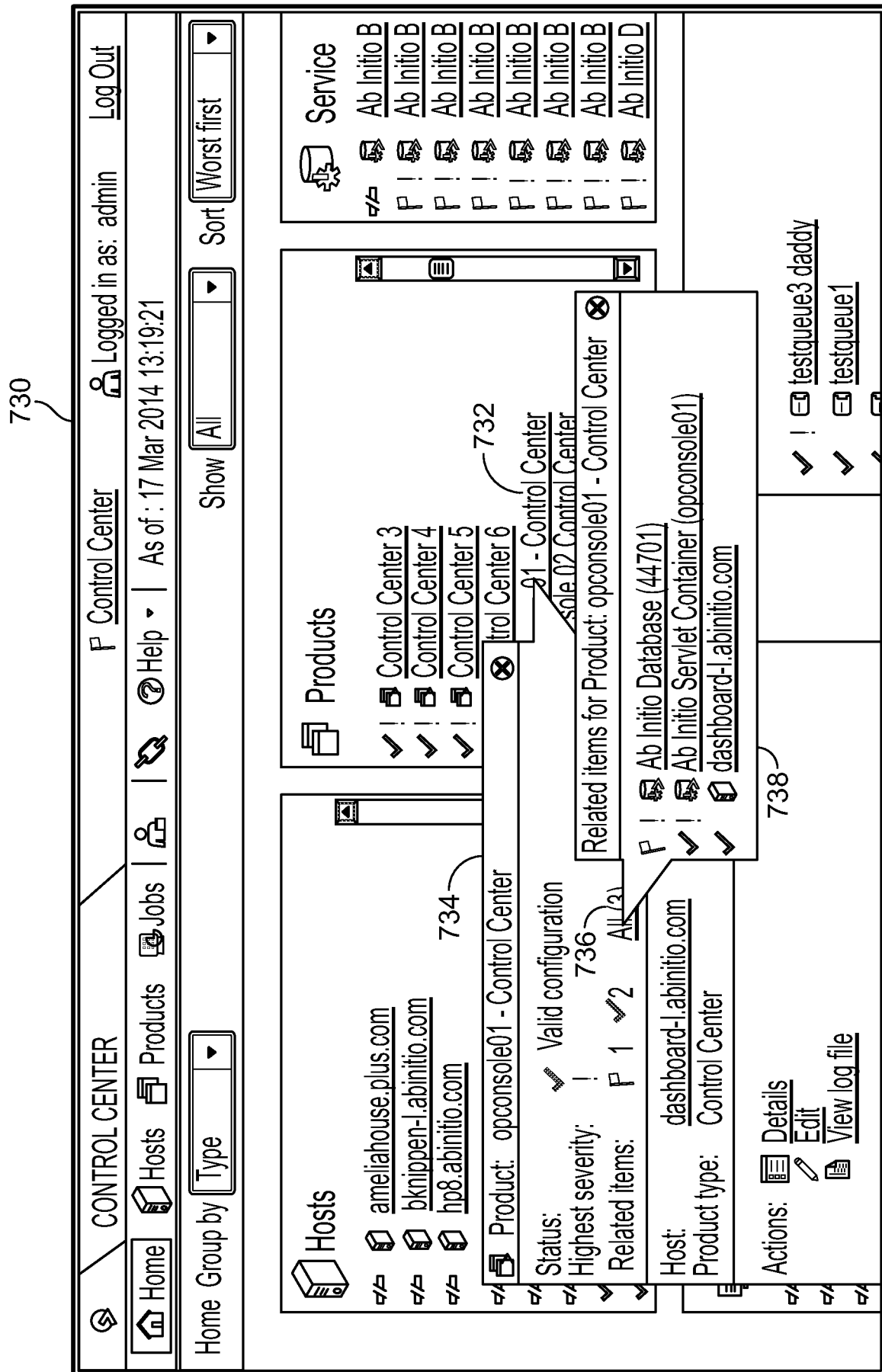


FIG. 22

740 →

[illegible]

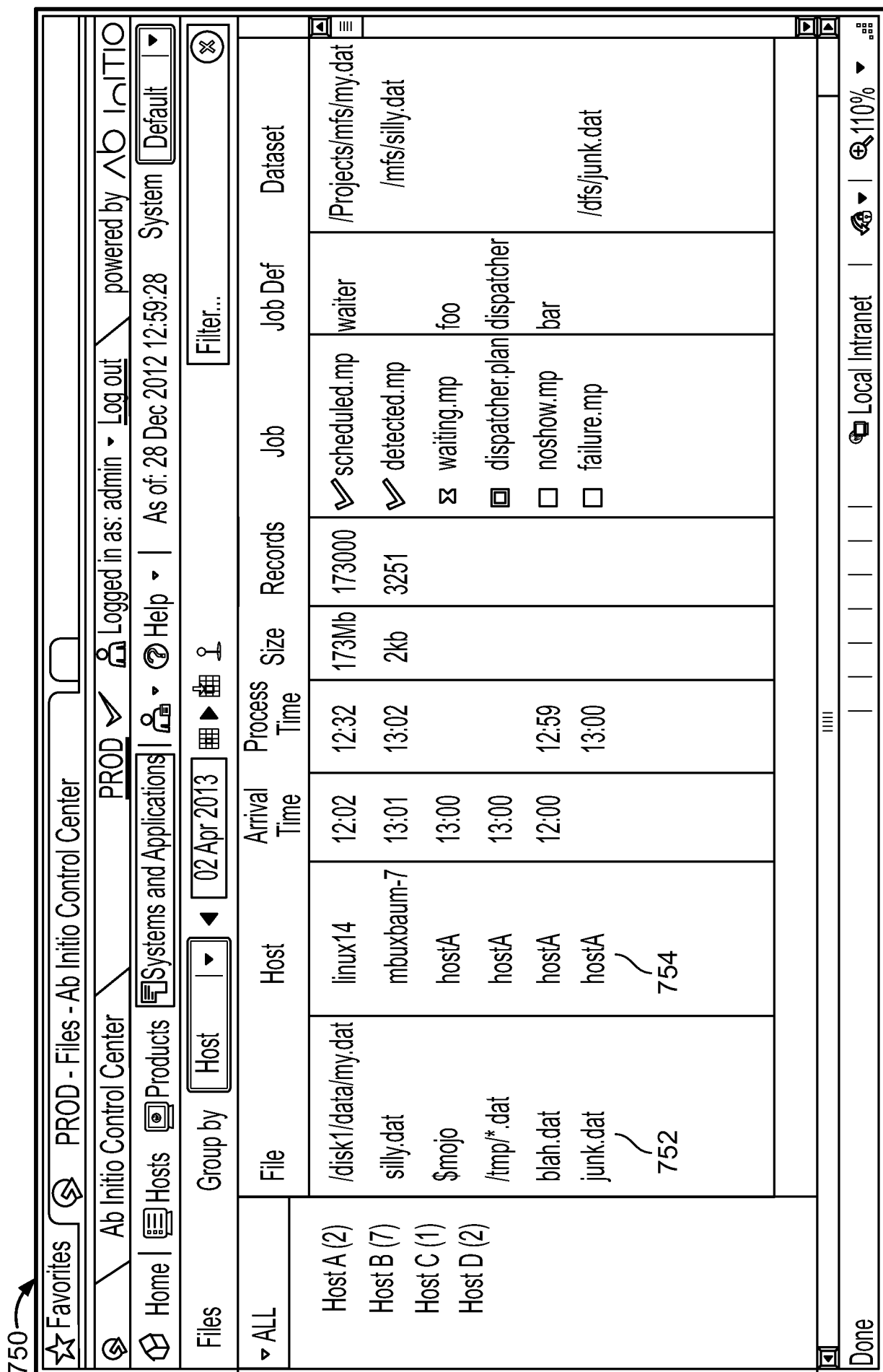


FIG. 24

41/44

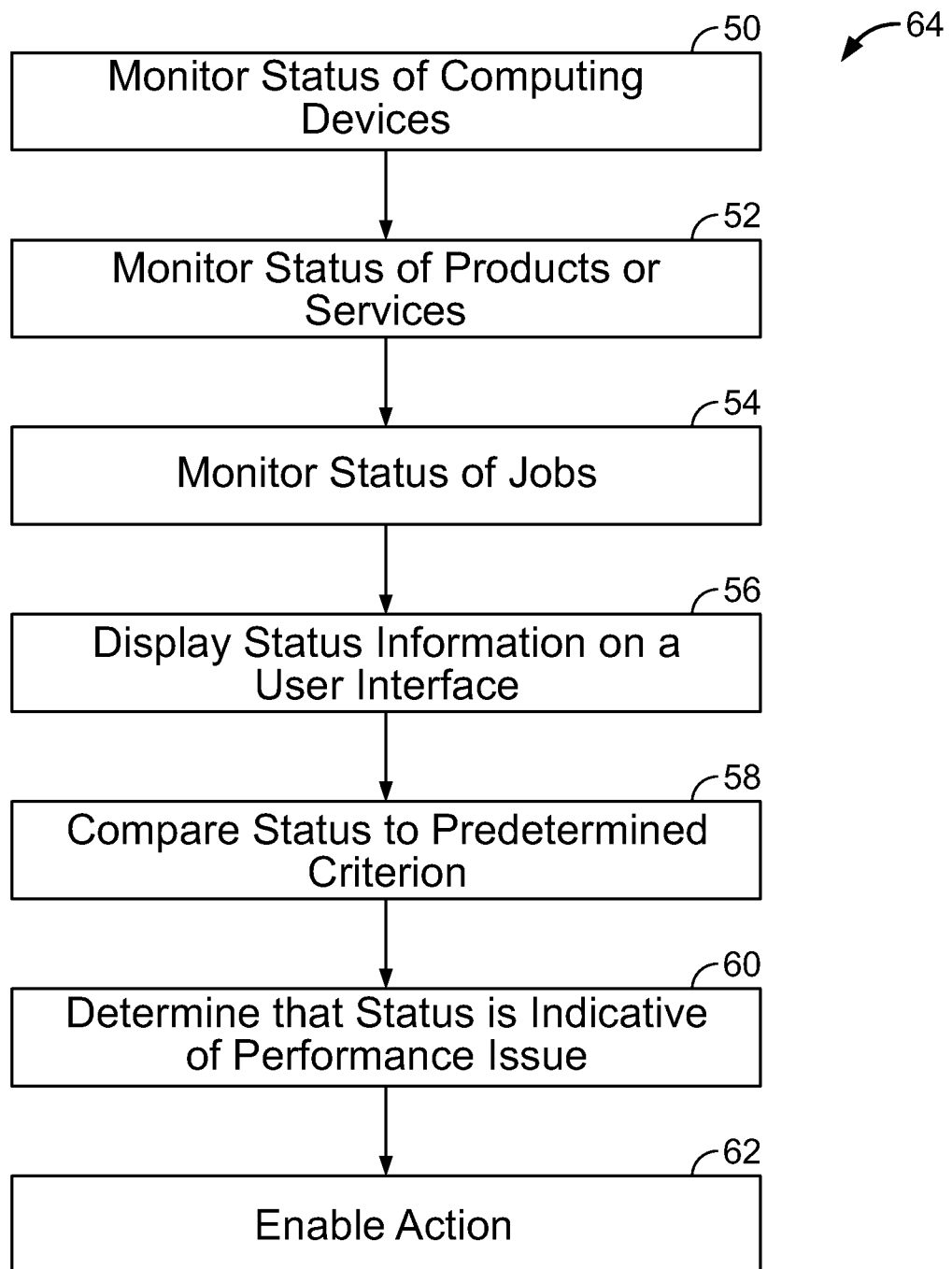


FIG. 25

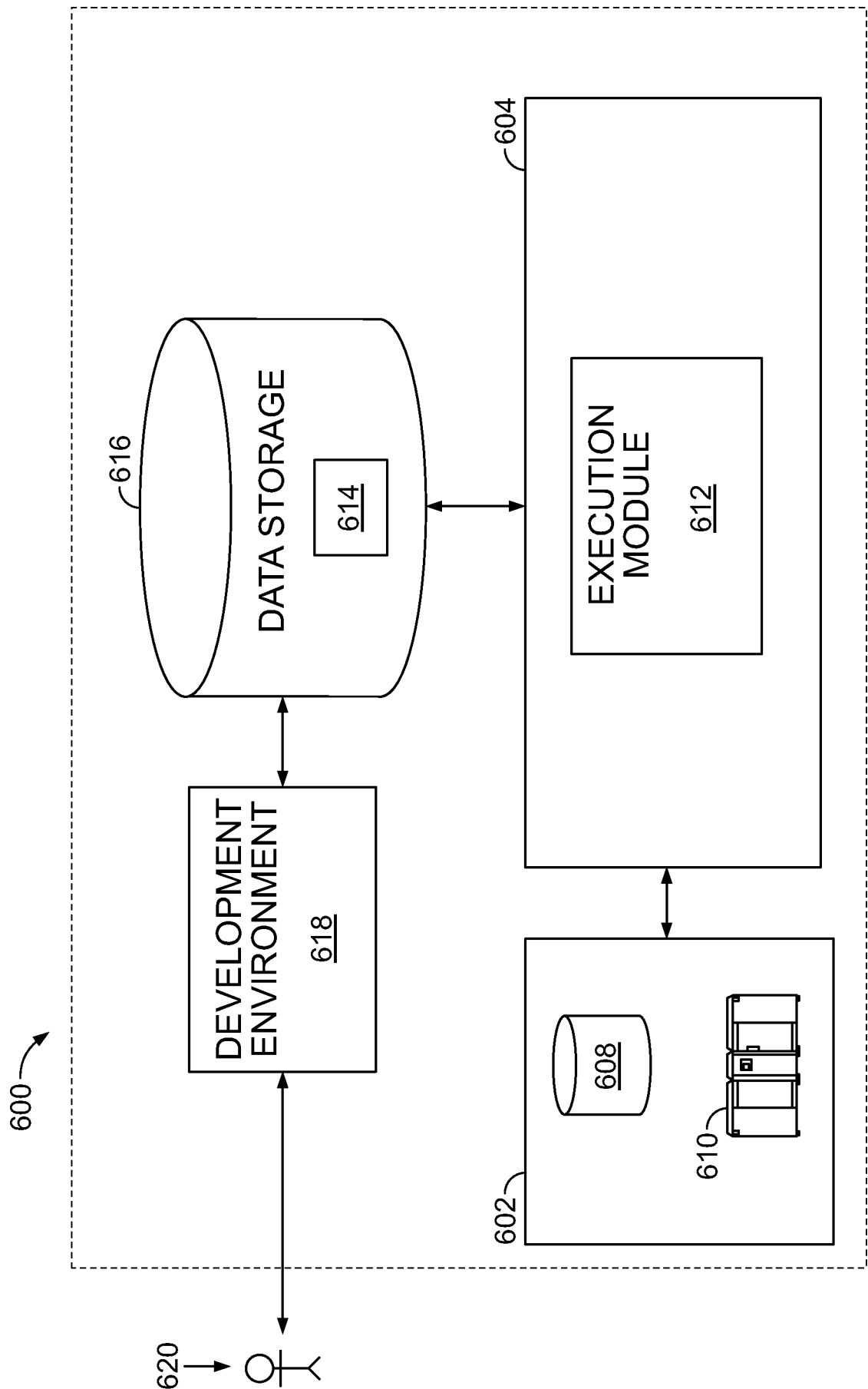


FIG. 26

802→

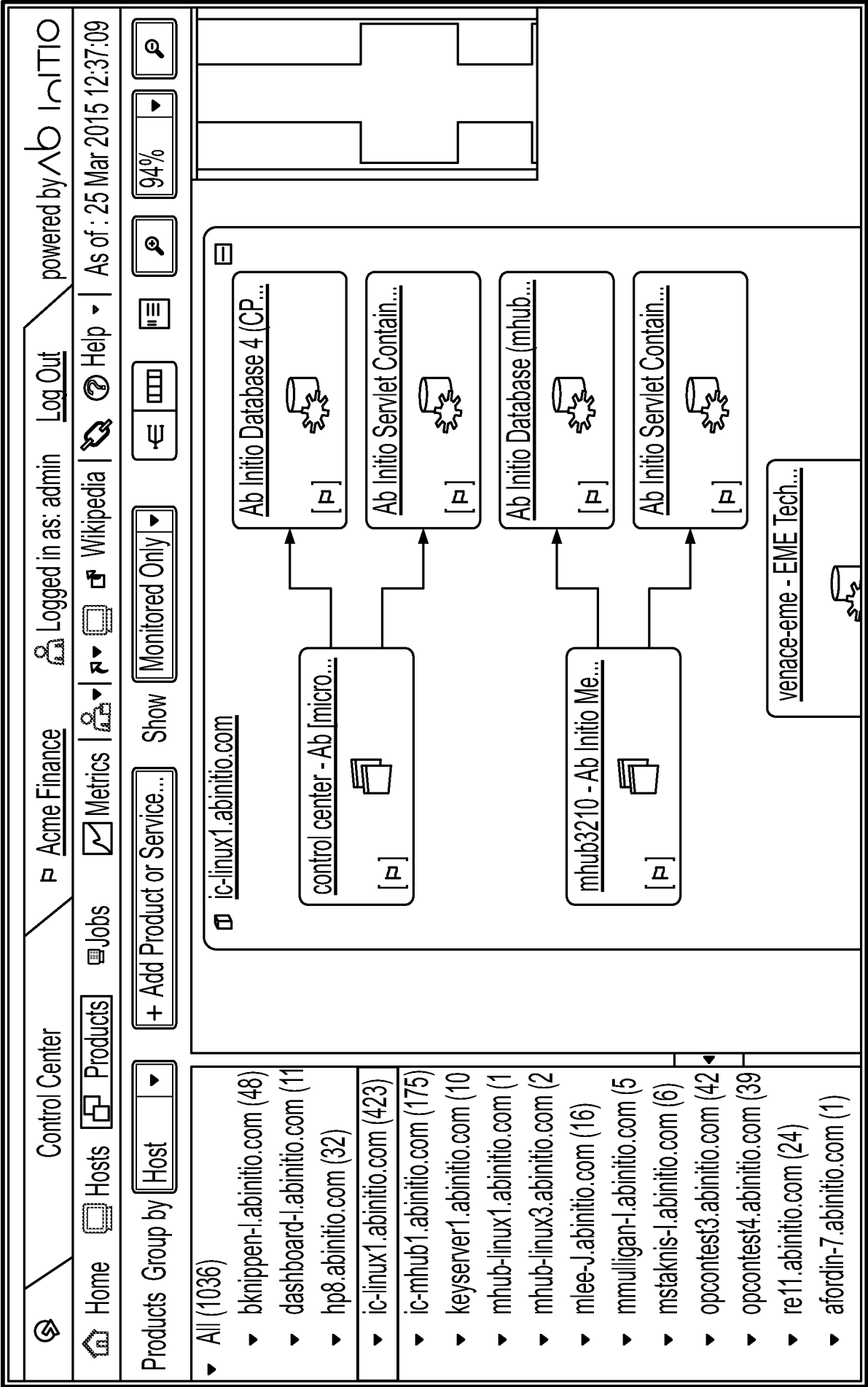


FIG. 27A

804

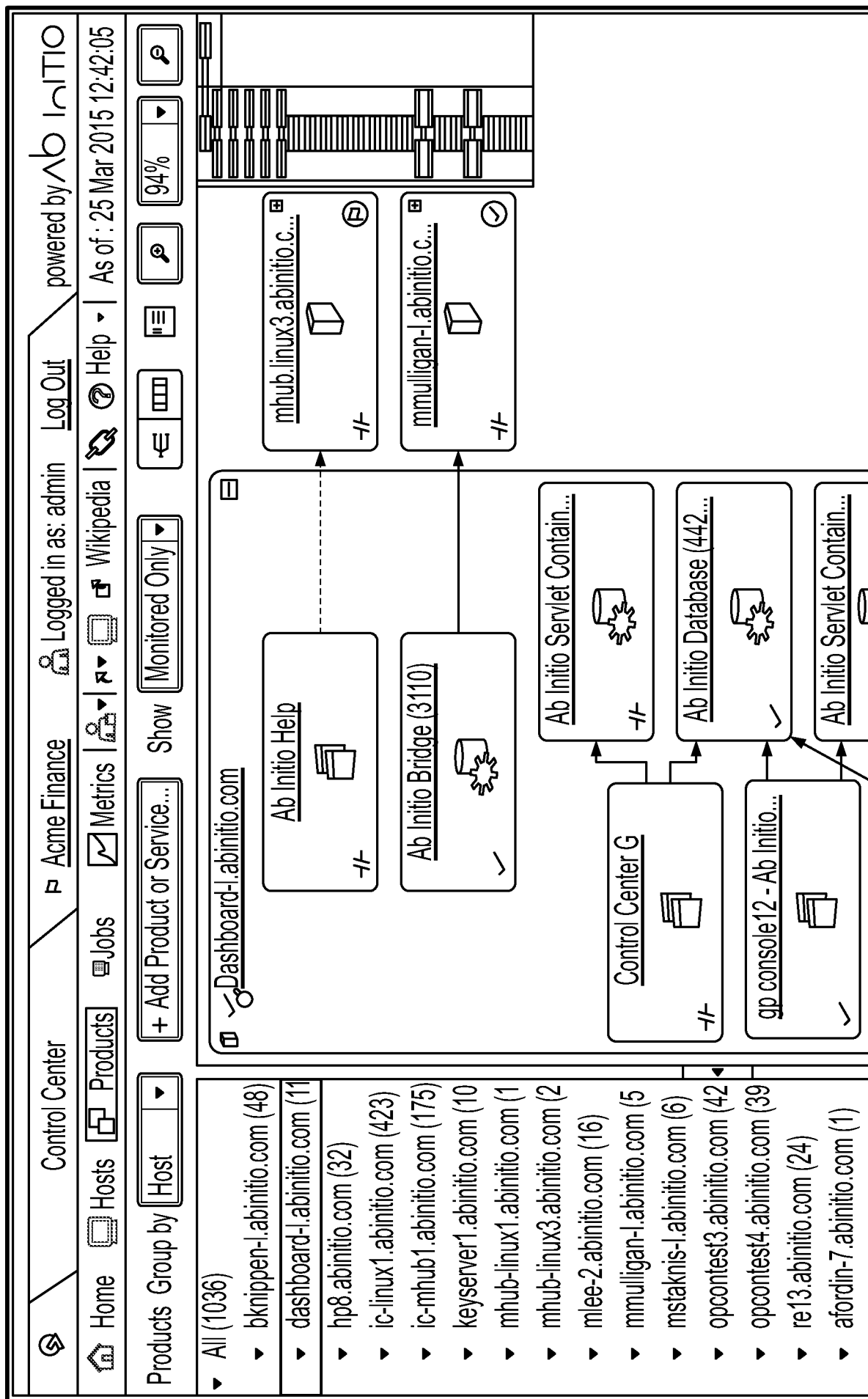


FIG. 27B