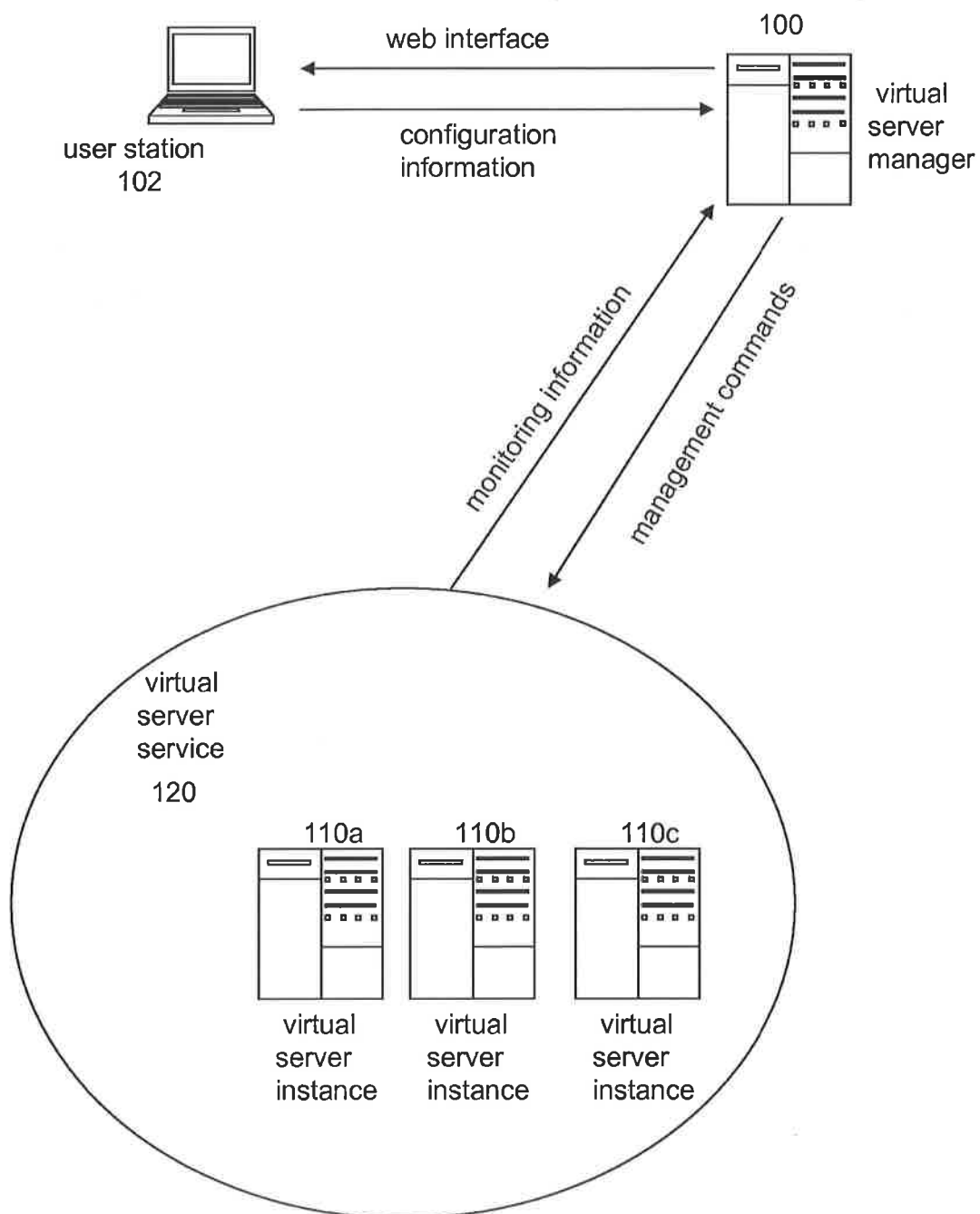
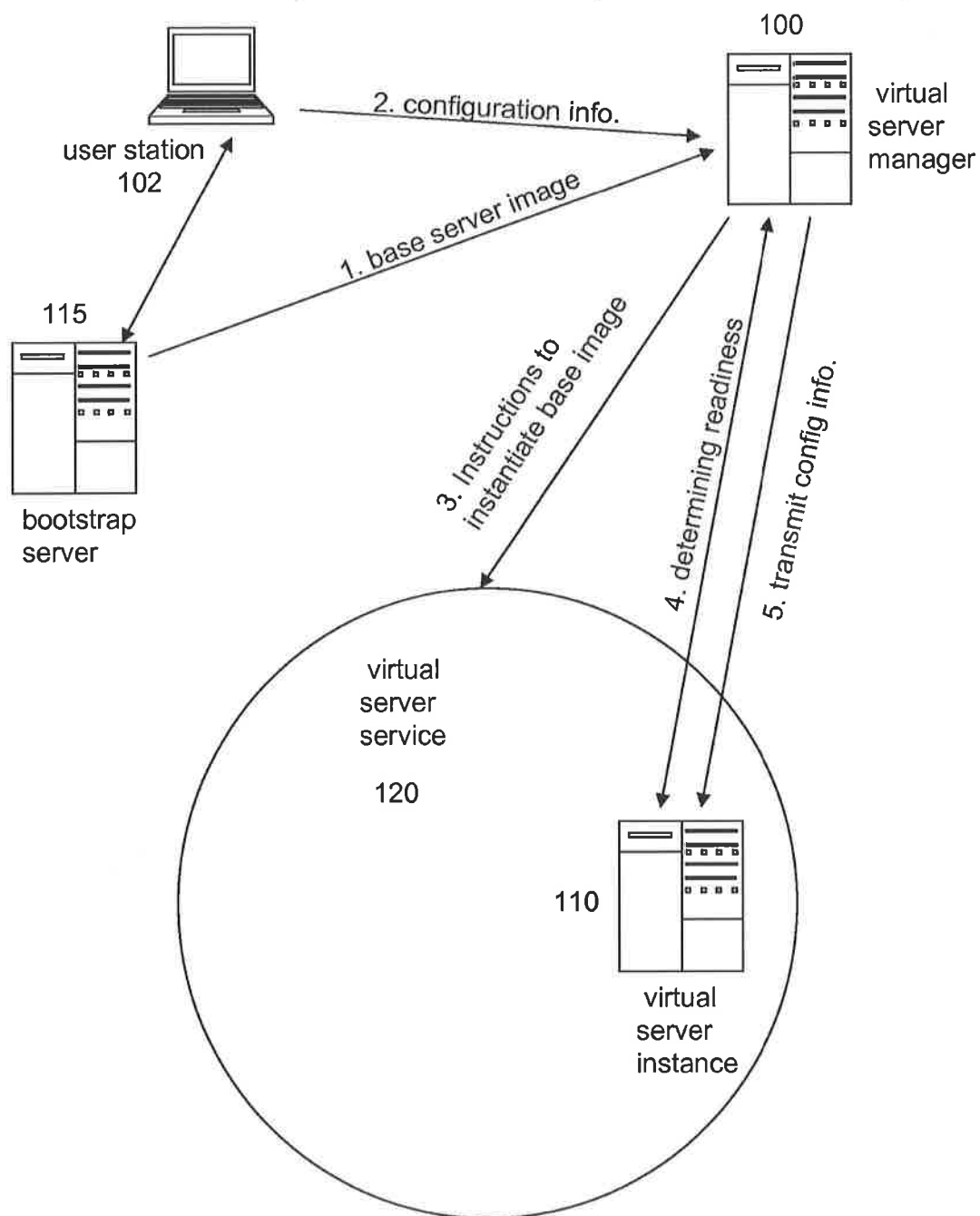
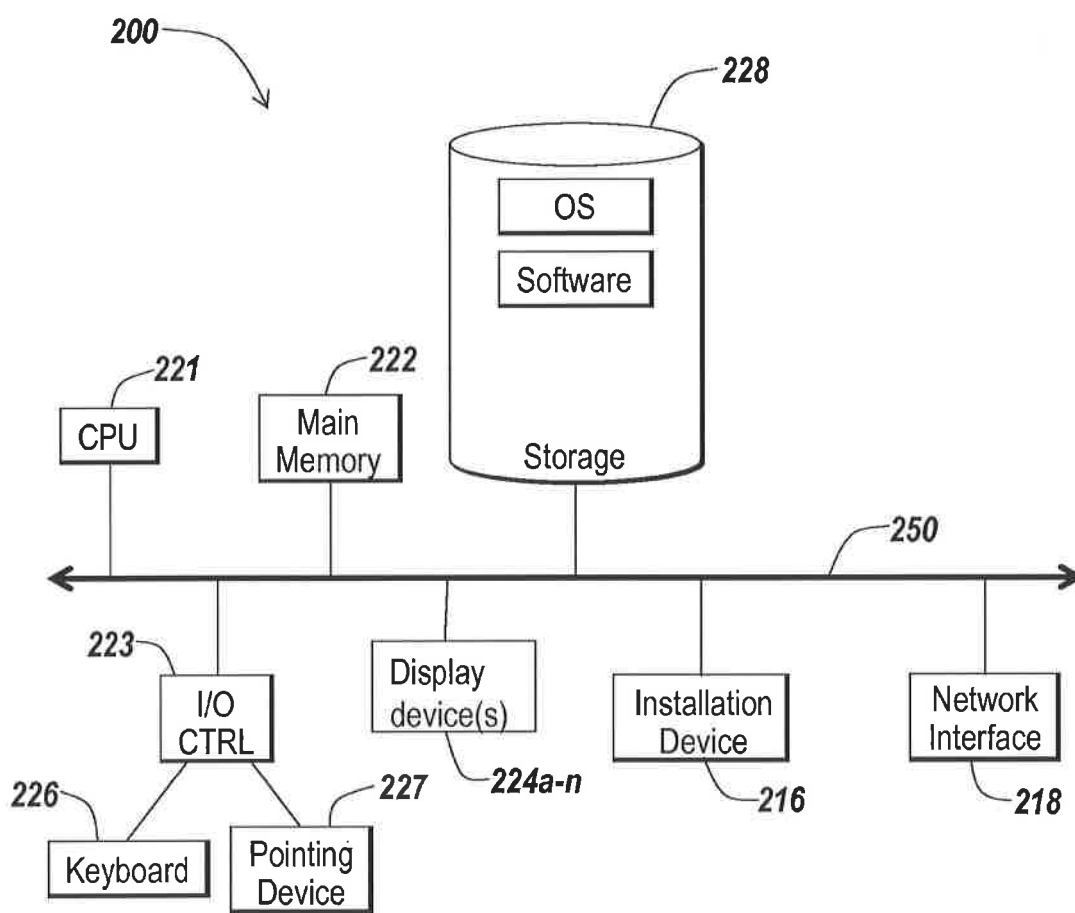
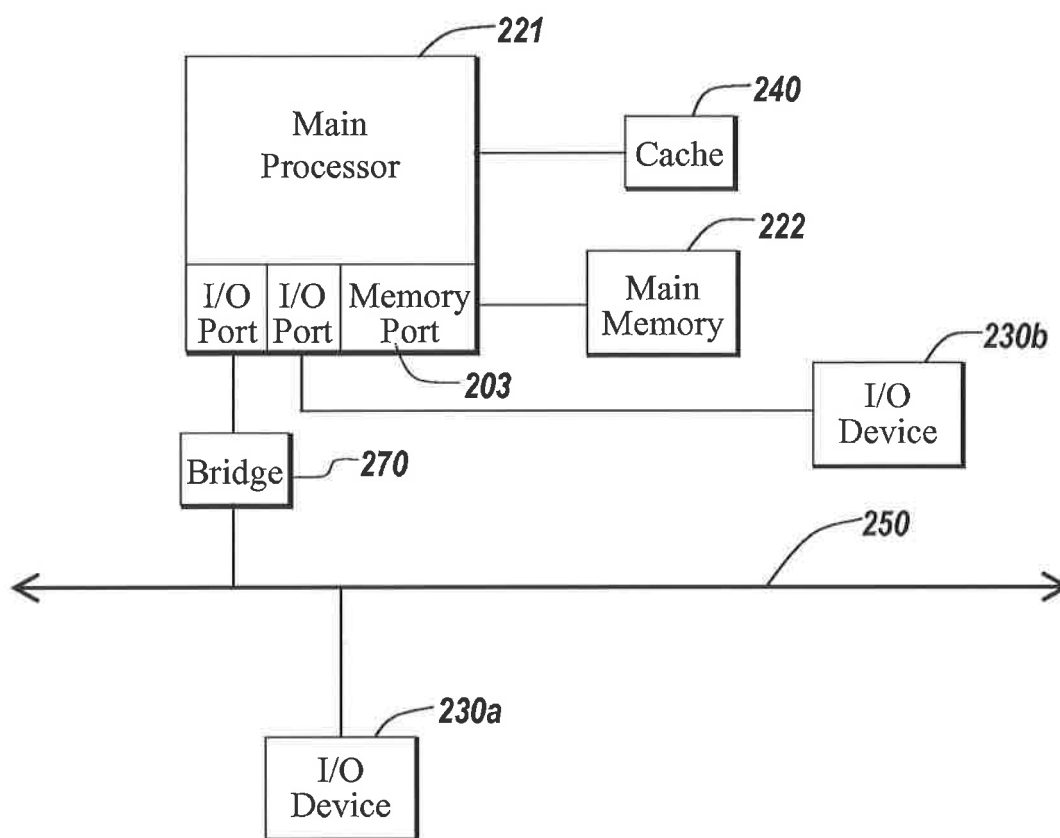
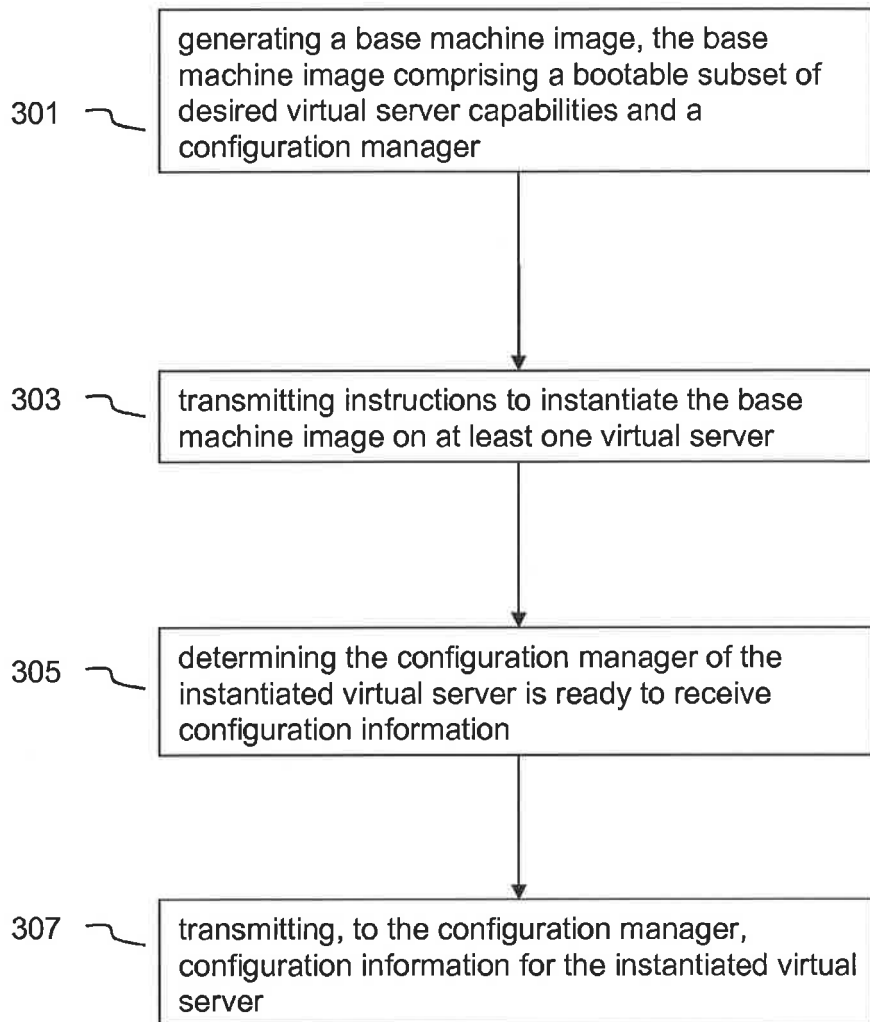


*Fig. 1A*

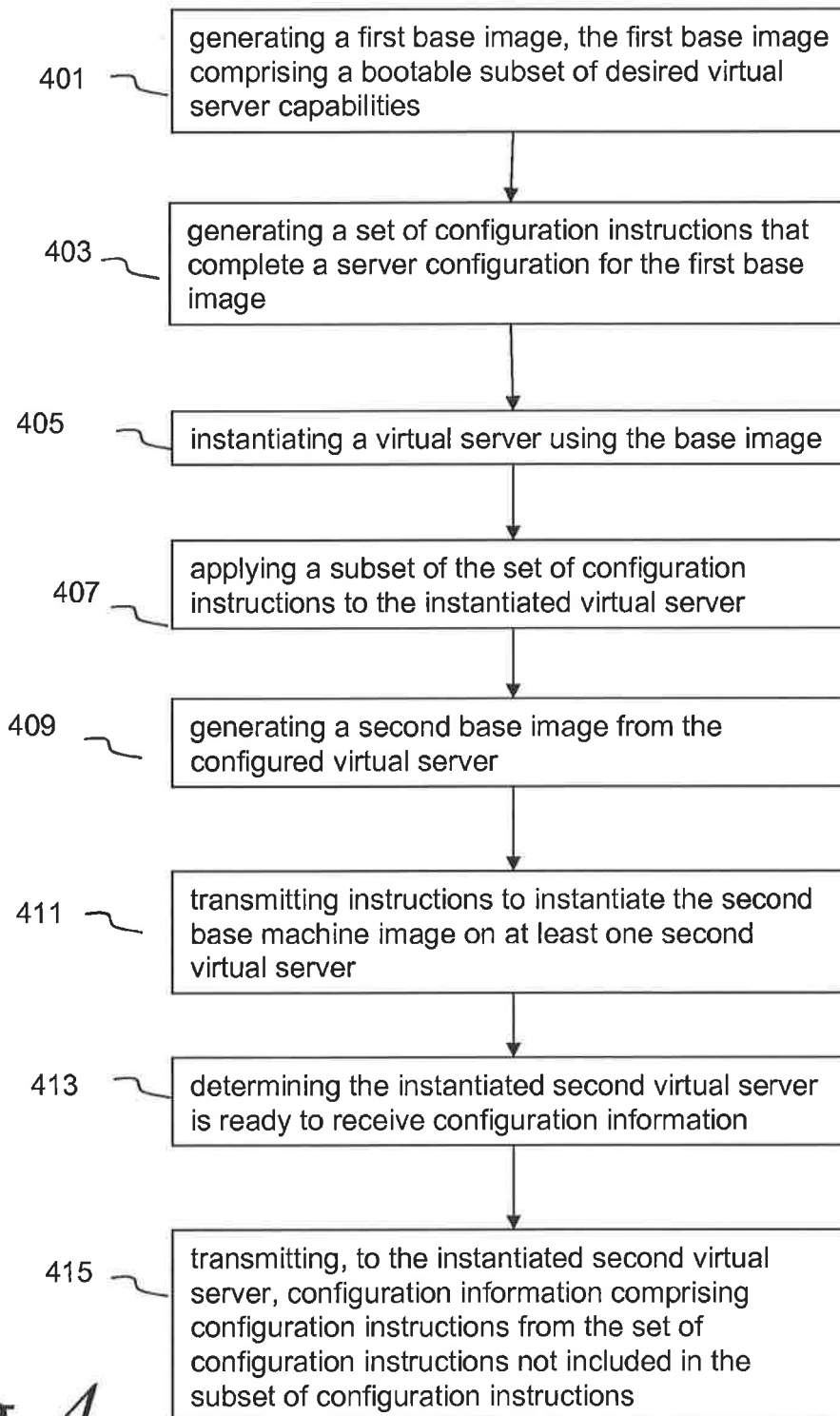
*Fig. 1B*

*Fig. 2A*

*Fig. 2B*

*Fig. 3*

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*Fig. 4*

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Fig. 5A

Server Templates

Private

Nickname	Image	User data	Updated
Apache-Tomcat5 PHP Server v1 (mod)	RightImage CentOS5V1_10		2008-02-13 22:58:05
Hello World	RightImage CentOS5V1_6		2008-02-23 21:57:09
Httpperf AutoScaling (LG)	RightImage CentOS5_X86_64_V1_12		2008-02-08 16:58:06
Master MySQL custom v2	RightImage CentOS5V1_10		2007-09-26 17:25:30
Mephisto all-in-one DEV	RightImage CentOS5V1_10		2008-02-06 20:47:32
Mephisto all-in-one on Fedora	RightImage FC6V2		2008-02-06 20:47:32
MySQL Bootstrap v3 (mod)	RightImage CentOS5V1_10		2008-01-14 21:25:58
Rails all-in-one custom v2	RightImage CentOS5V1_10		2007-12-12 23:14:01
Rails all-in-one v3	RightImage CentOS5V1_10		2008-02-06 20:47:21

Premium/Public

Nickname	Image	User data	Updated
Apache-Tomcat5 PHP Server v1	RightImage CentOS5V1_10		2008-02-13 22:58:04
Facebook Footprints Demo Server v1	RightImage CentOS5V1_10		2007-12-12 23:14:01
Internal PHP App Server v1	RightImage CentOS5V1_10		2008-02-07 22:12:19

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Fig. 5B

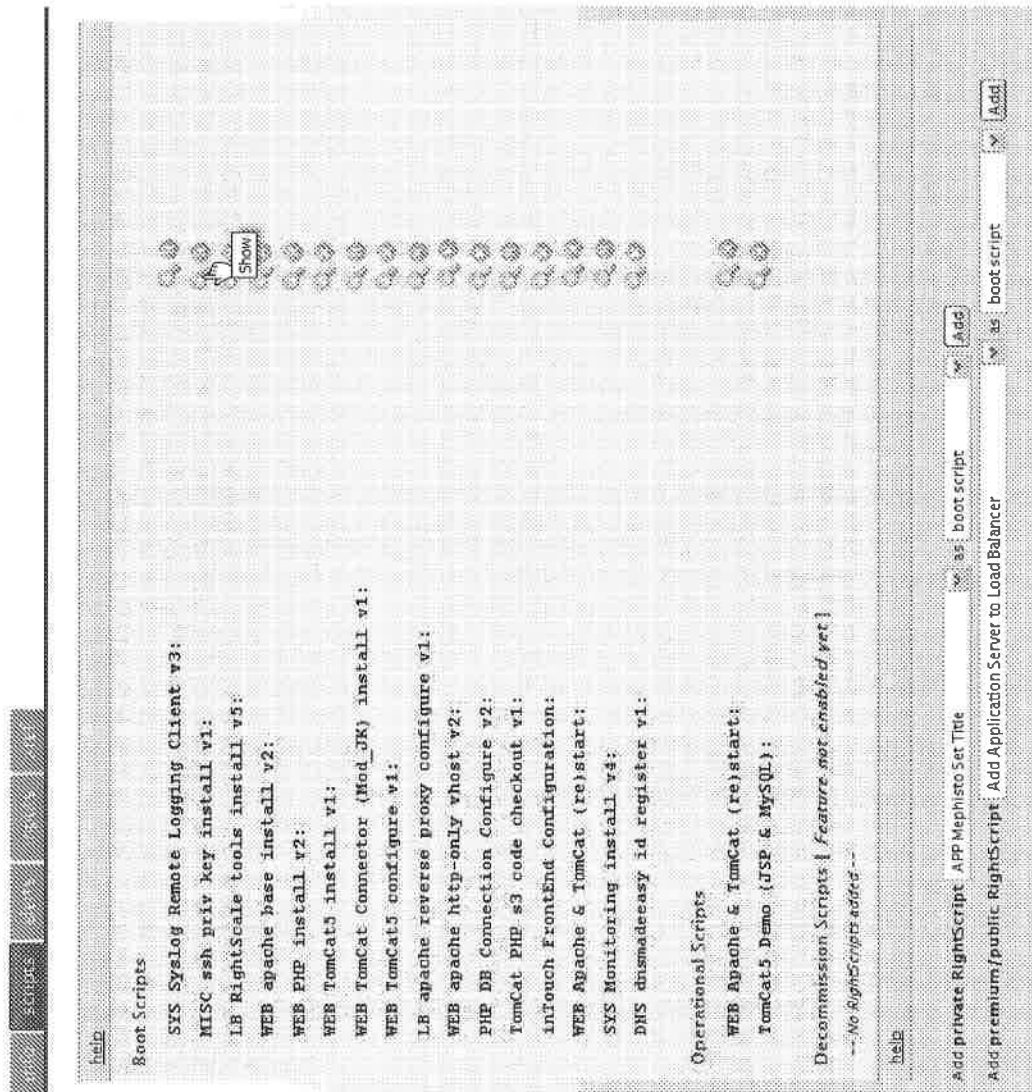


Fig. 5C

Home Dashboard Alerts Incidents Configuration Reports Help									
Alerts									
Alert Spec	Condition	Derived from	Escalation	Enabled	Age	Actions			
<u>scale-up at 50% busy</u>	if cpu-0/cpu-idle.value < '50' for 3 min then escalate to 'scale-up'.	-	<u>critical</u>	yes	-				
<u>scale-down at 20% busy</u>	if cpu-0/cpu-idle.value > '80' for 10 min then escalate to 'scale-down'.	-	<u>scale-down</u>	yes	5m				
<u>stranded</u>	if EC2/server-failure.state == 'stranded' for 1 min then escalate to 'critical'.	-	<u>critical</u>	yes	-				
<u>rs instance terminated</u>	if EC2/server.state == 'terminated' for 1 min then escalate to 'critical'.	<u>Rails FrontEnd v3</u>	<u>critical</u>	yes	-				
<u>rs instance stranded</u>	if EC2/server-failure.state == 'stranded' for 1 min then escalate to 'warning'.	<u>Rails FrontEnd v3</u>	<u>warning</u>	yes	-				
<u>rs instance not responding</u>	if cpu-0/cpu-idle.value == 'NaN' for 1440 min then escalate to 'warning'.	<u>Rails FrontEnd v3</u>	<u>warning</u>	yes	-				
<u>rs cpu busy</u>	if cpu-0/cpu-idle.value < '15' for 60 min then escalate to 'warning'.	<u>Rails FrontEnd v3</u>	<u>warning</u>	yes	-				

Fig. 5D

Alert Specification scale-in at 50% busy...

Description:

Condition: if cpu-0/cpu-idle.value < '50' for 3 min then escalate to 'scale-up'

Recent Tasks 08:15

Task/Status	Age
Resized array action	35m
100% -- done	
Resized array action	23m
100% -- done	
Resized array action	15m
100% -- done	
Scale AppServer (C) v.3 #555	14m
Terminated	

Fig. 5E

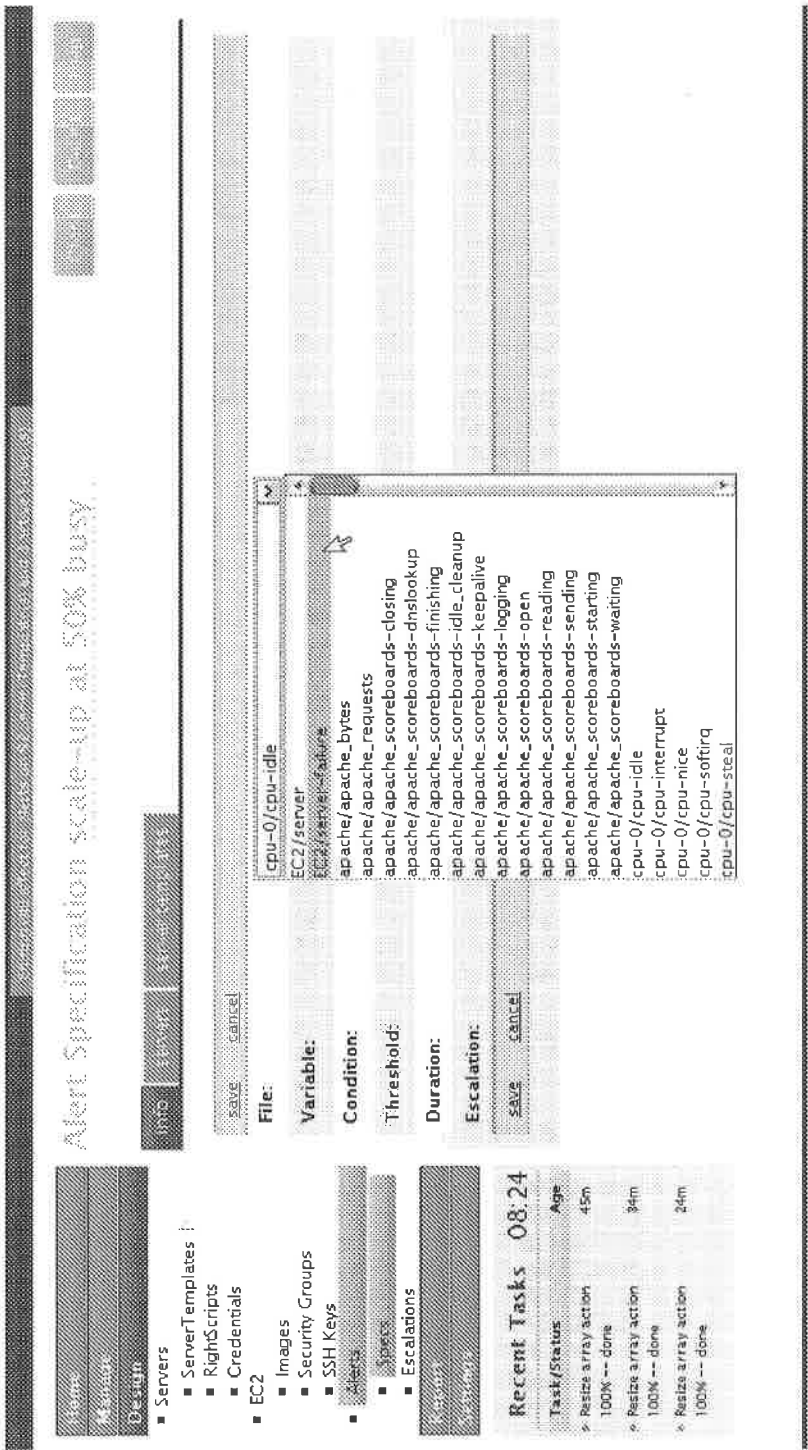


Fig. 5F

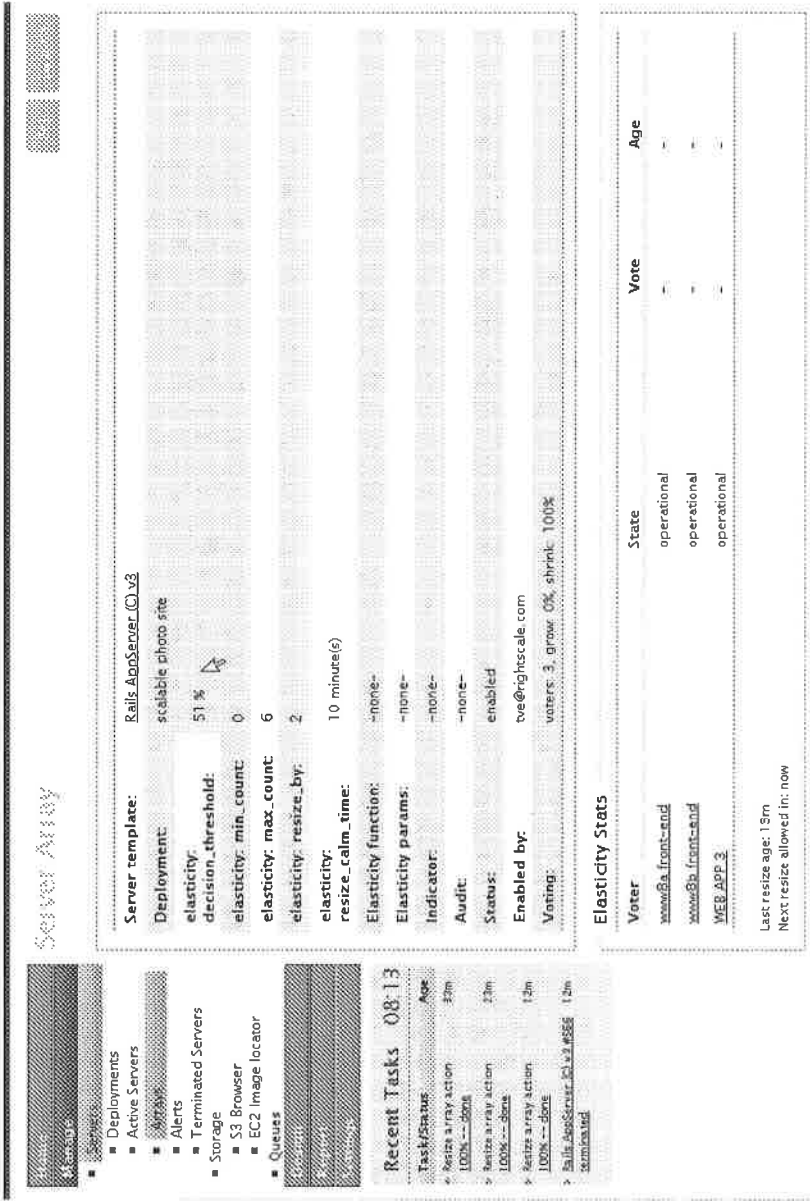
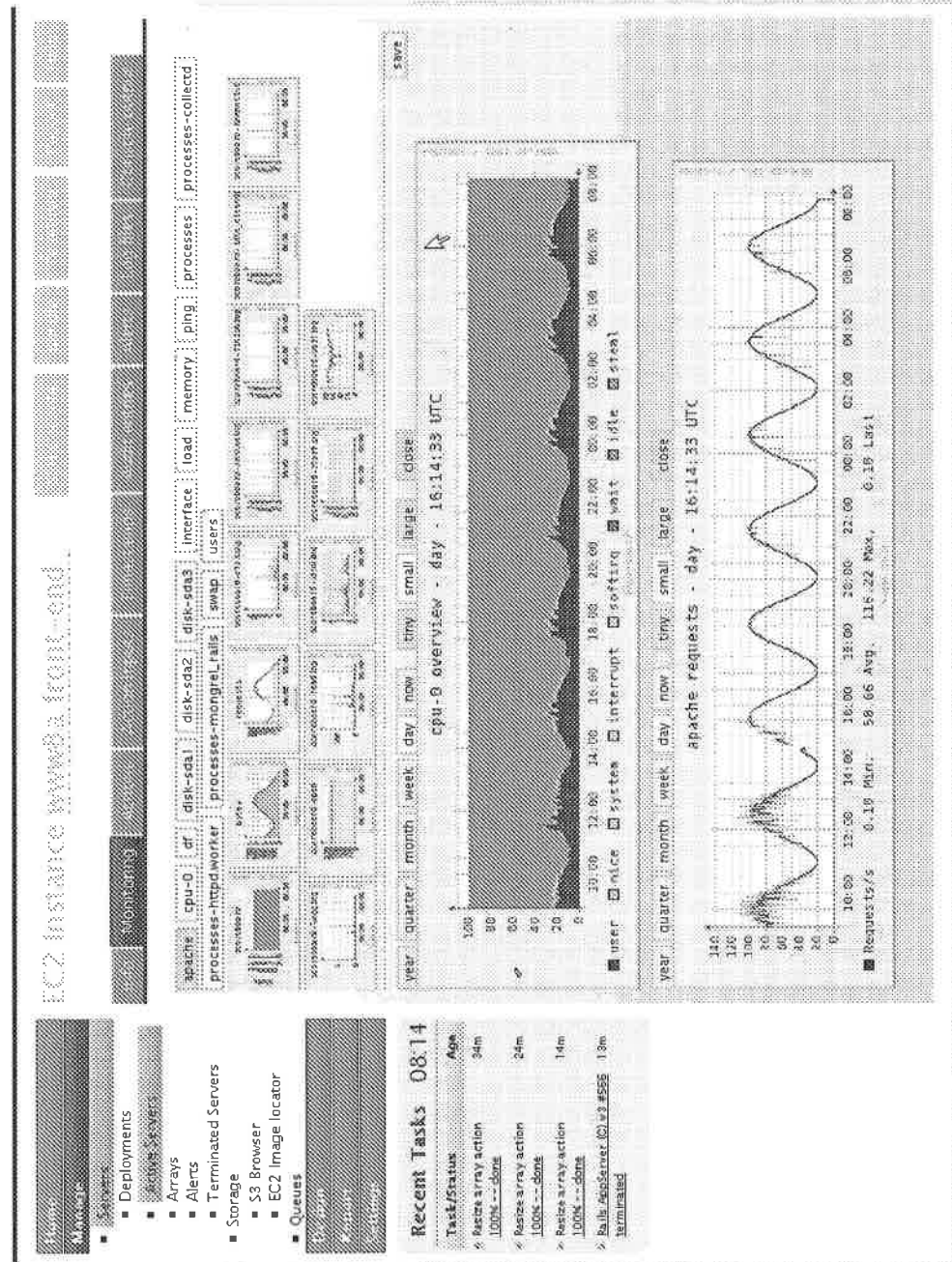
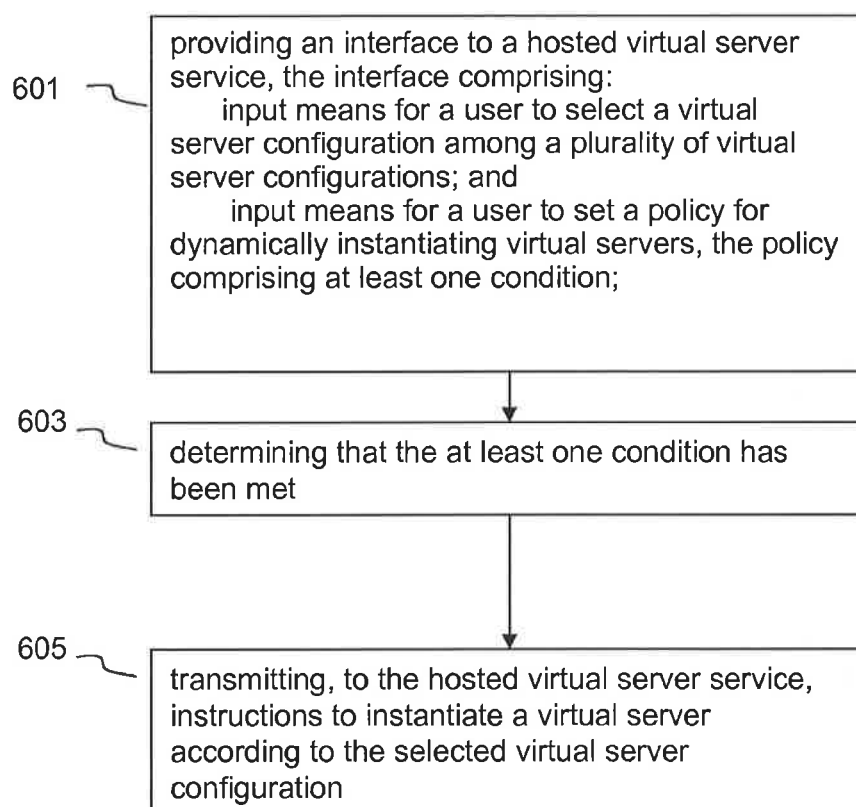
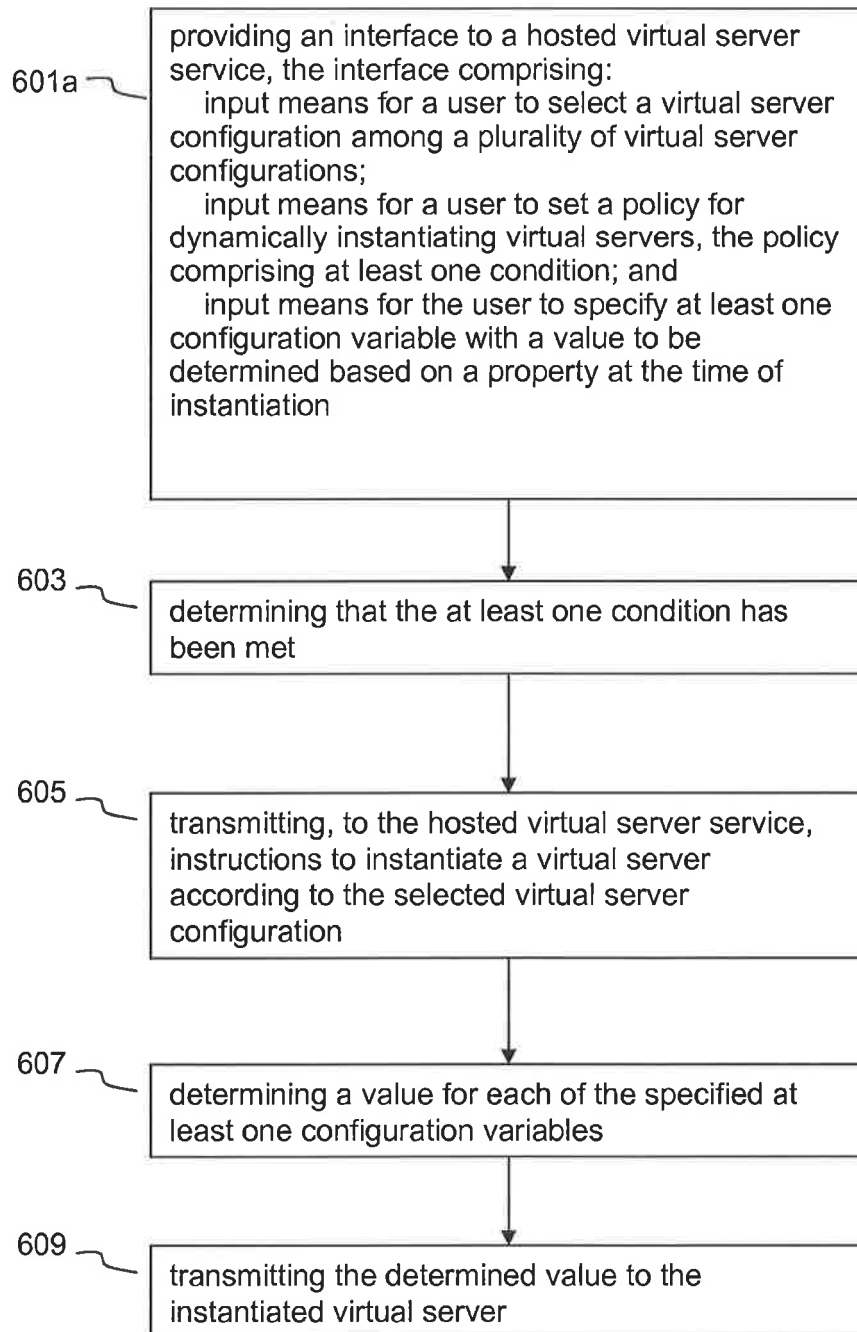
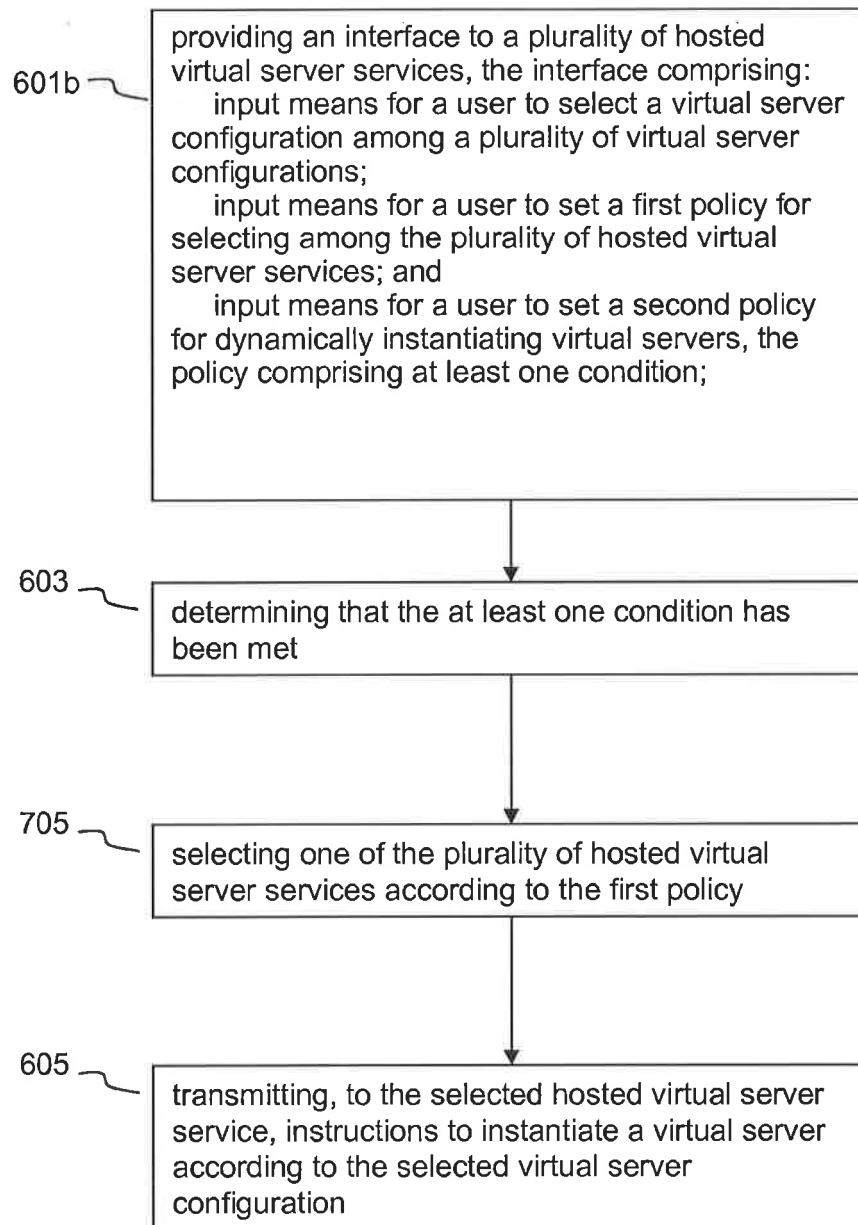


Fig. 5G



*Fig. 6A*

*Fig. 6B*

*Fig. 7*