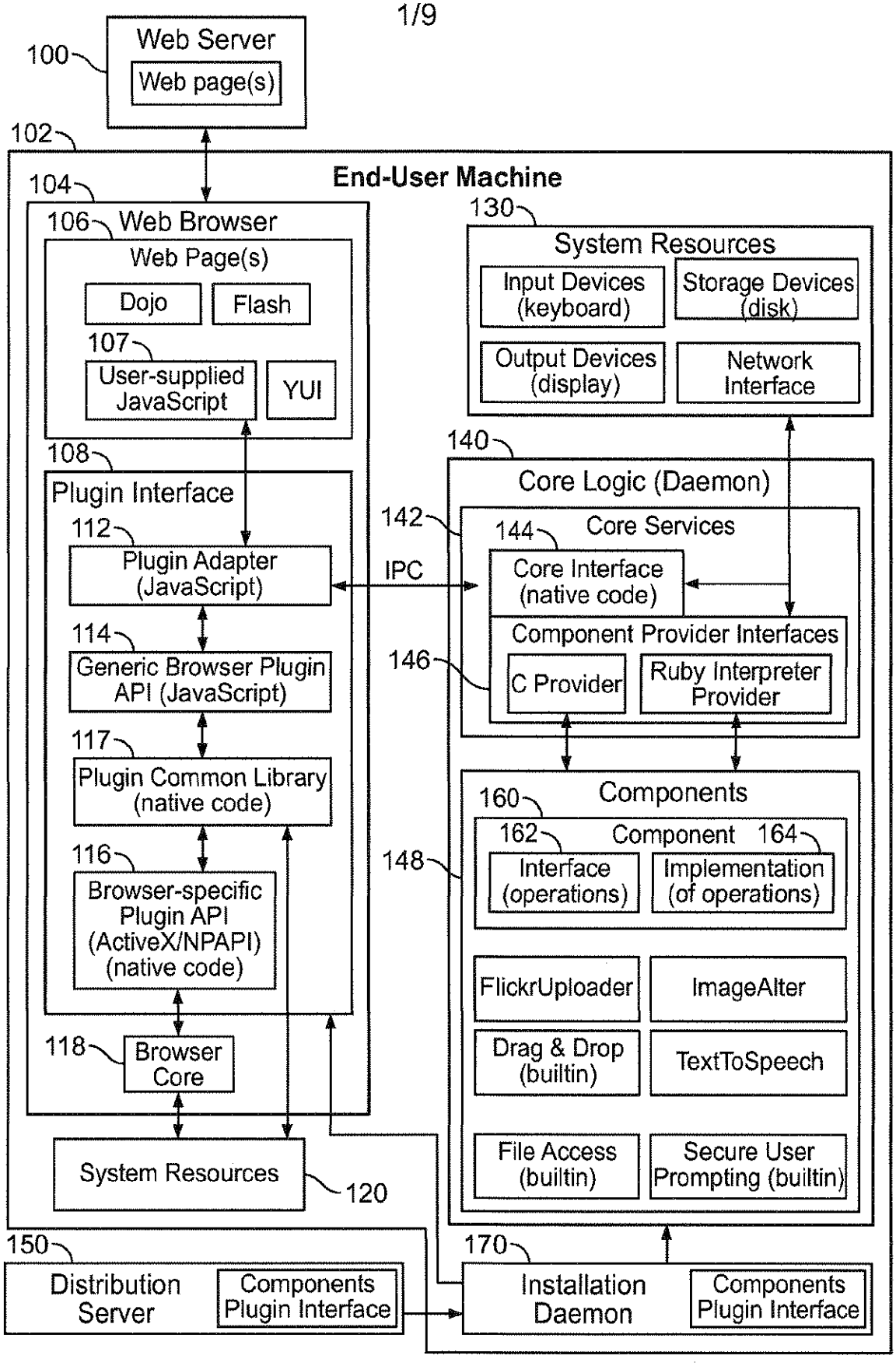

100
Web Server
Web page(s)
102
End-User Machine
104
106
Web Browser
Web Page(s)
Dojo
Flash
107
User-supplied JavaScript
YUI
108
Plugin Interface
112
Plugin Adapter (JavaScript)
114
Generic Browser Plugin API (JavaScript)
117
Plugin Common Library (native code)
116
Browser-specific Plugin API (ActiveX/NPAPI) (native code)
118
Browser Core
System Resources
120
130
System Resources
Input Devices (keyboard)
Storage Devices (disk)
Output Devices (display)
Network Interface
140
Core Logic (Daemon)
142
144
Core Services
IPC
Core Interface (native code)
Component Provider Interfaces
146
C Provider
Ruby Interpreter Provider
148
160
Components
162
Component
164
Interface (operations)
Implementation (of operations)
FlickrUploader
ImageAlter
Drag & Drop (builtin)
TextToSpeech
File Access (builtin)
Secure User Prompting (builtin)
150
Distribution Server
Components Plugin Interface
170
Installation Daemon
Components Plugin Interface

FIG. 1A

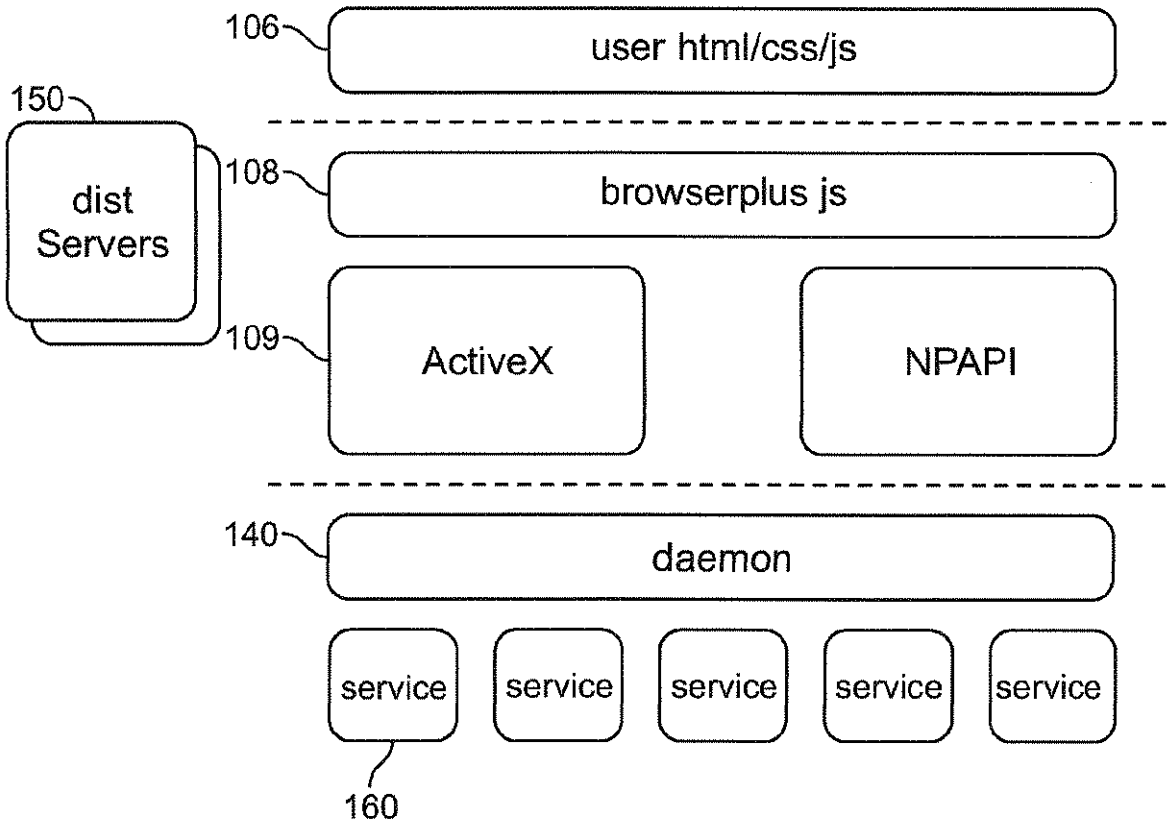

106
user html/css/js
150
dist
Servers
108
browserplus js
109
ActiveX
NPAPI
140
daemon
service
service
service
service
service
160

FIG. 1B

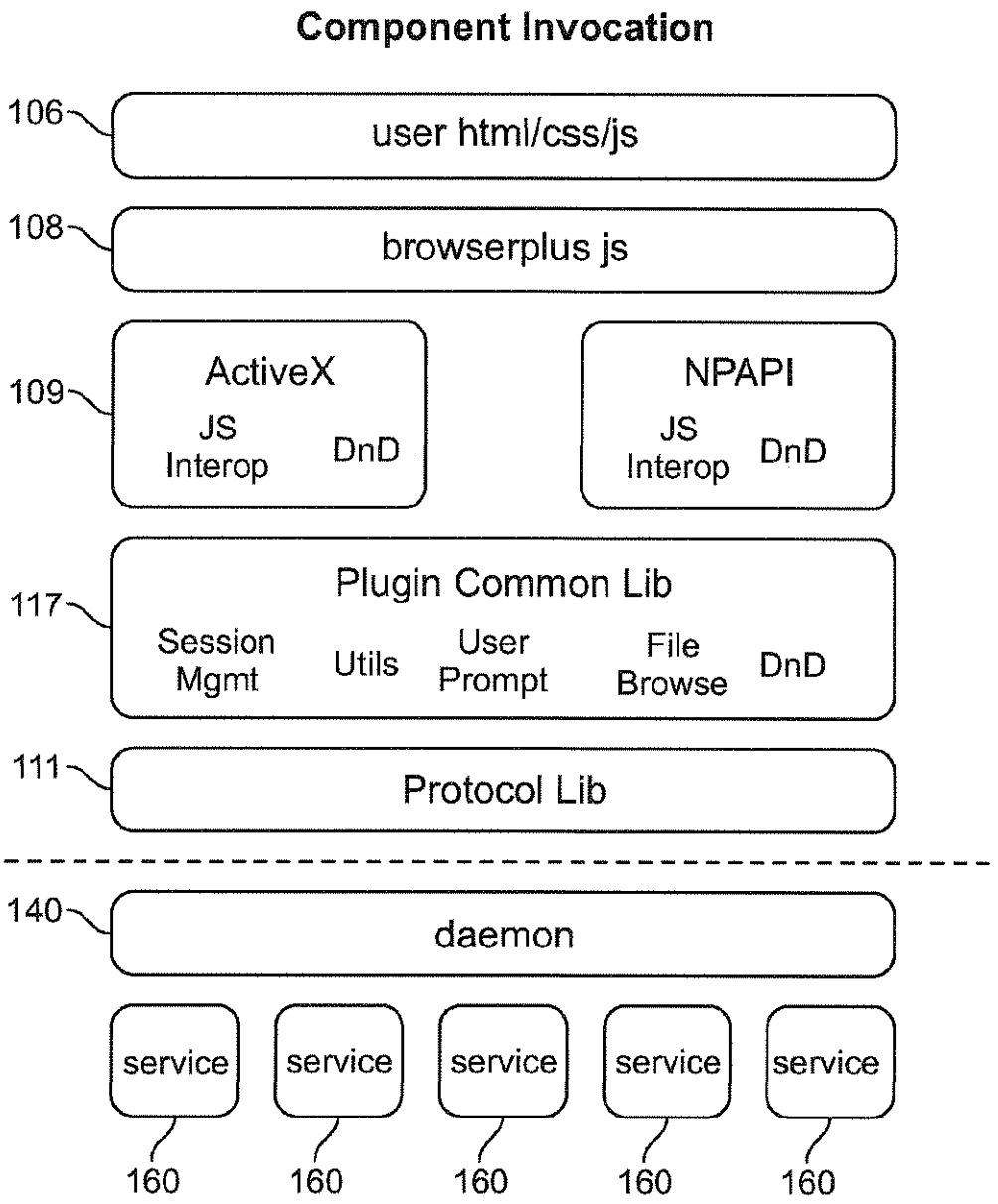

Component Invocation
106
user html/css/js
108
browserplus js
109
ActiveX
JS Interop
DnD
NPAPI
JS Interop
DnD
117
Plugin Common Lib
Session Mgmt
Utils
User Prompt
File Browse
DnD
111
Protocol Lib
140
daemon
service
service
service
service
service
160
160
160
160
160

FIG. 1C

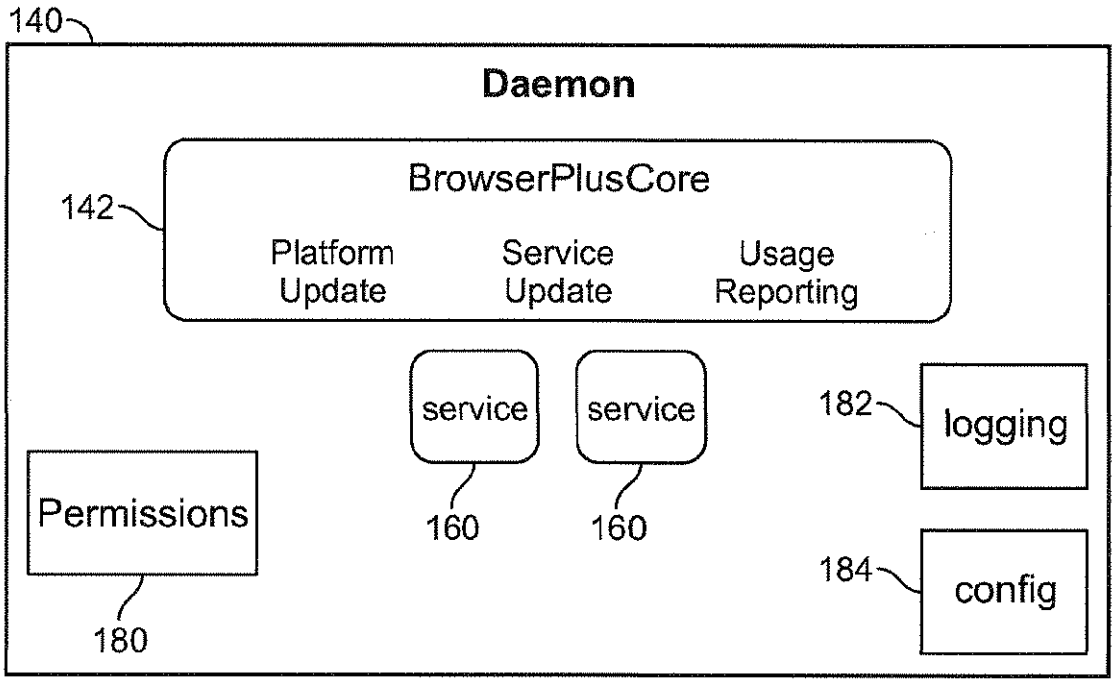

140
Daemon
142
BrowserPlusCore
Platform Update
Service Update
Usage Reporting
service
service
160
160
182
logging
184
config
Permissions
180

FIG. 1D

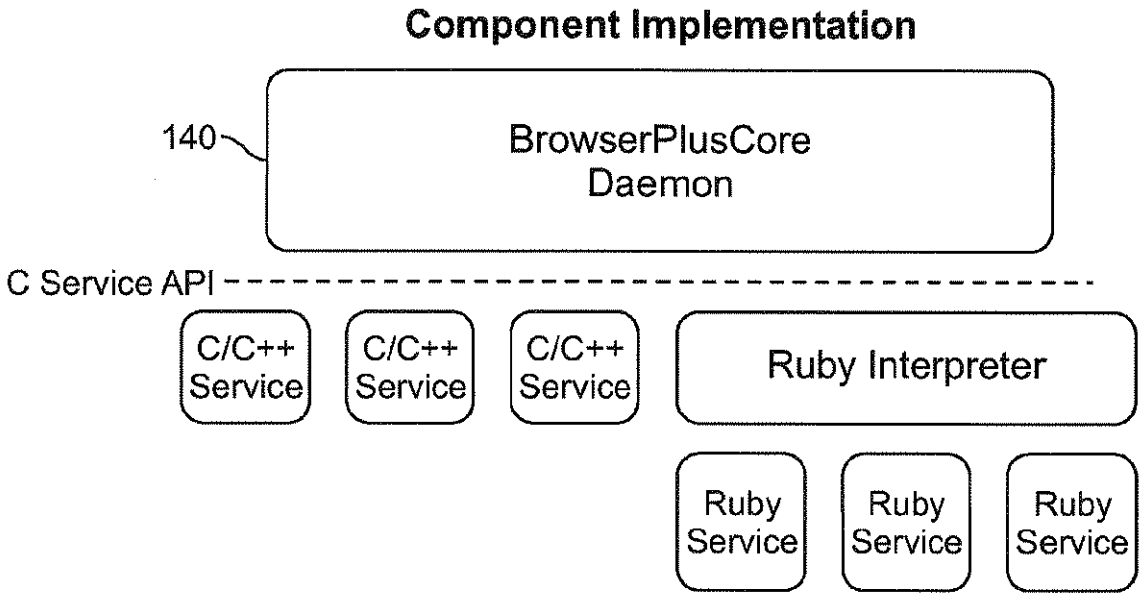

Component Implementation
140
BrowserPlusCore
Daemon
C Service API
C/C++ Service
C/C++ Service
C/C++ Service
Ruby Interpreter
Ruby Service
Ruby Service
Ruby Service

FIG. 1E

Name	ImageAlter
Type	standalone
Version	1.1.1 - Also (1.0.0, 1.0.1, 1.1.4)
Corelet API	3
Description	A corelet based on ImageMagick to alter images locally and serve them over HTTP.
Functions:	
Alter()	Alter(<path>file, <integer>maxwidth, <interger>maxheight,<integer>rotation, <string>quality, <list>effects, <string>format)

Alter an image and return a localhost URL by which the result may be accessed

Parameters

file	=	The file that you would like to manipulate.
maxwidth	=	The maximum width of the image.
maxheight	=	The maximum height of the image.
rotation	=	The amount of rotation, in degrees to apply to the image.
quality	=	"high", "medium", or "low". High quality takes longer but yields a better looking image. Default is Low.
effects	=	A list of effects to apply to the image. Effects will be applied in the order specified. Available effects are "sepia", "swirl", "solarize", "oil_paint", and "grayscale".
format	=	output format:"gif", "jpeg", or "png". Default is "jpeg".

FIG. 2

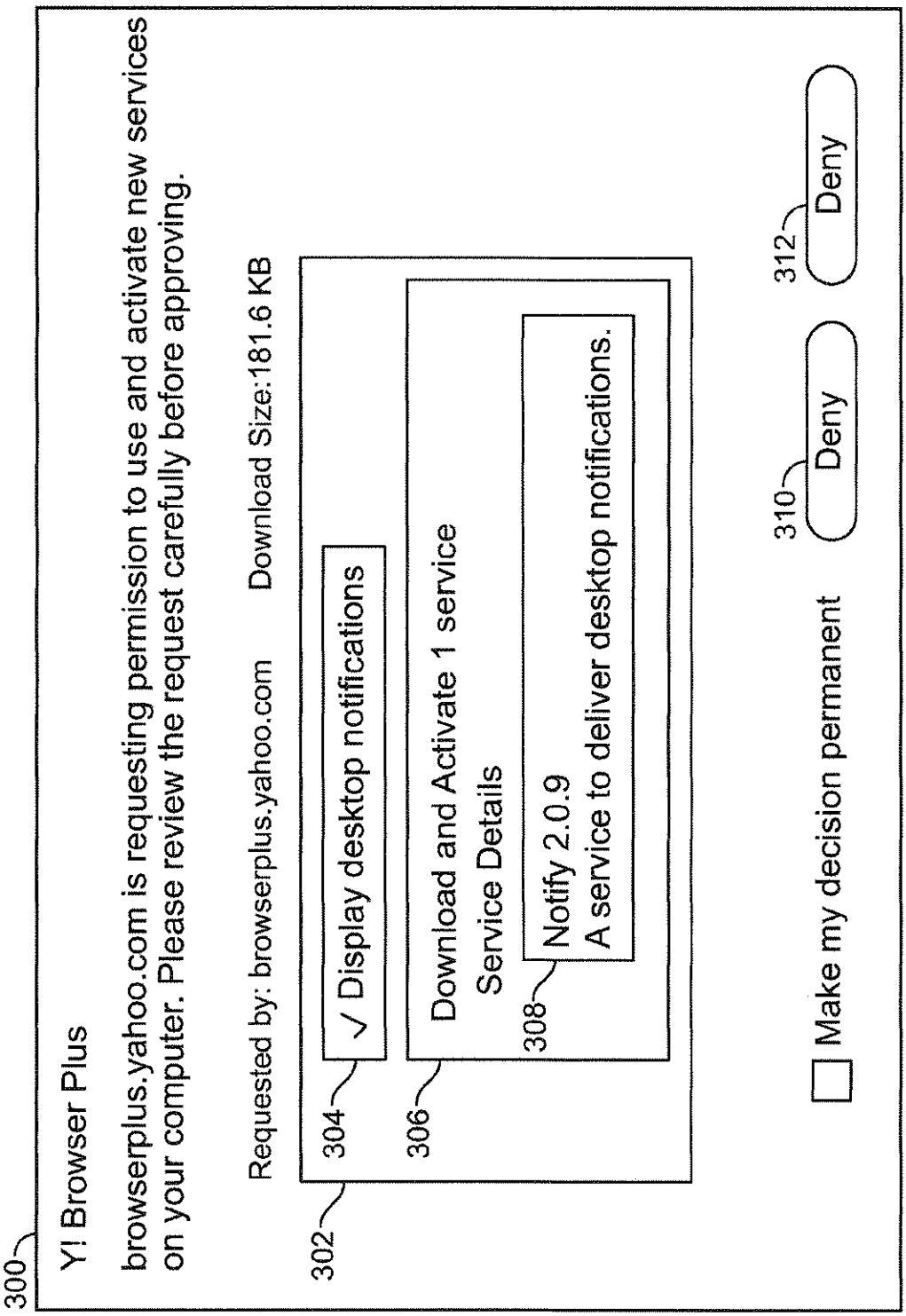

300
Y! Browser Plus
browserplus.yahoo.com is requesting permission to use and activate new services on your computer. Please review the request carefully before approving.
Requested by: browserplus.yahoo.com
Download Size:181.6 KB
302
304
✓ Display desktop notifications
306
Download and Activate 1 service
Service Details
308
Notify 2.0.9
A service to deliver desktop notifications.
Make my decision permanent
310
Deny
312
Deny

FIG. 3

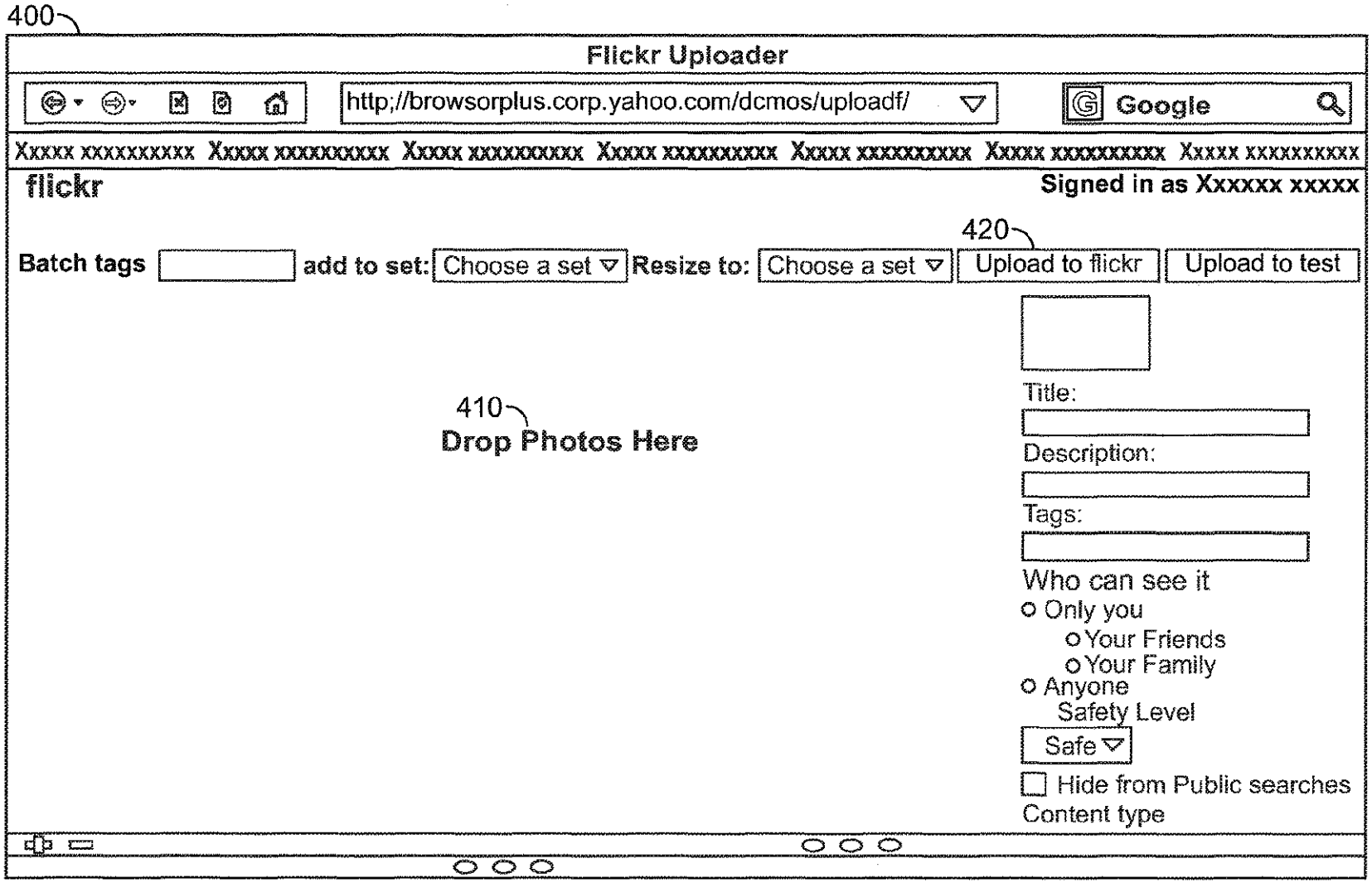

400
Flickr Uploader
http;//browsorplus.corp.yahoo.com/dcmos/uploadf/
Google
Xxxxx xxxxxxxxxx Xxxxx xxxxxxxxxx Xxxxx xxxxxxxxxx Xxxxx xxxxxxxxxx Xxxxx xxxxxxxxxx Xxxxx xxxxxxxxxx Xxxxx xxxxxxxxxx
flickr
Signed in as Xxxxxx xxxxx
420
Batch tags
add to set:
Choose a set
Resize to:
Choose a set
Upload to flickr
Upload to test
410
Drop Photos Here
Title:
Description:
Tags:
Who can see it
Only you
Your Friends
Your Family
Anyone
Safety Level
Safe
Hide from Public searches
Content type

FIG. 4

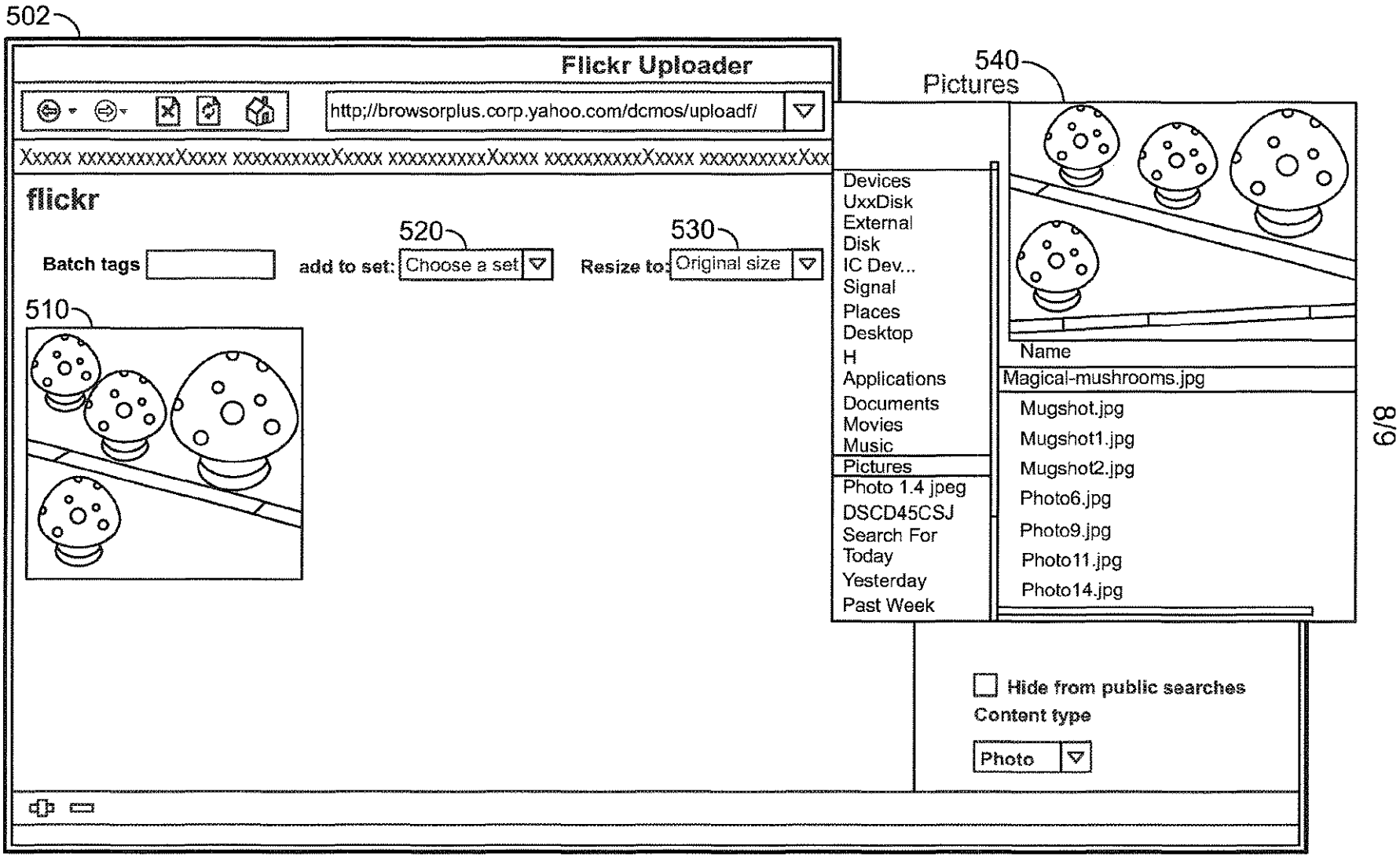

502
Flickr Uploader
http;//browsorplus.corp.yahoo.com/dcmos/uploadf/
Xxxxx xxxxxxxxxxXxxxx xxxxxxxxxxXxxxx xxxxxxxxxxXxxxx xxxxxxxxxxXxxxx xxxxxxxxxxXxx
flickr
Batch tags
add to set:
Choose a set
520
Resize to:
Original size
530
510
540
Pictures
Devices
UxxDisk
External
Disk
IC Dev...
Signal
Places
Desktop
H
Applications
Documents
Movies
Music
Pictures
Photo 1.4 jpeg
DSCD45CSJ
Search For
Today
Yesterday
Past Week
Name
Magical-mushrooms.jpg
Mugshot.jpg
Mugshot1.jpg
Mugshot2.jpg
Photo6.jpg
Photo9.jpg
Photo11.jpg
Photo14.jpg
Hide from public searches
Content type
Photo

FIG. 5

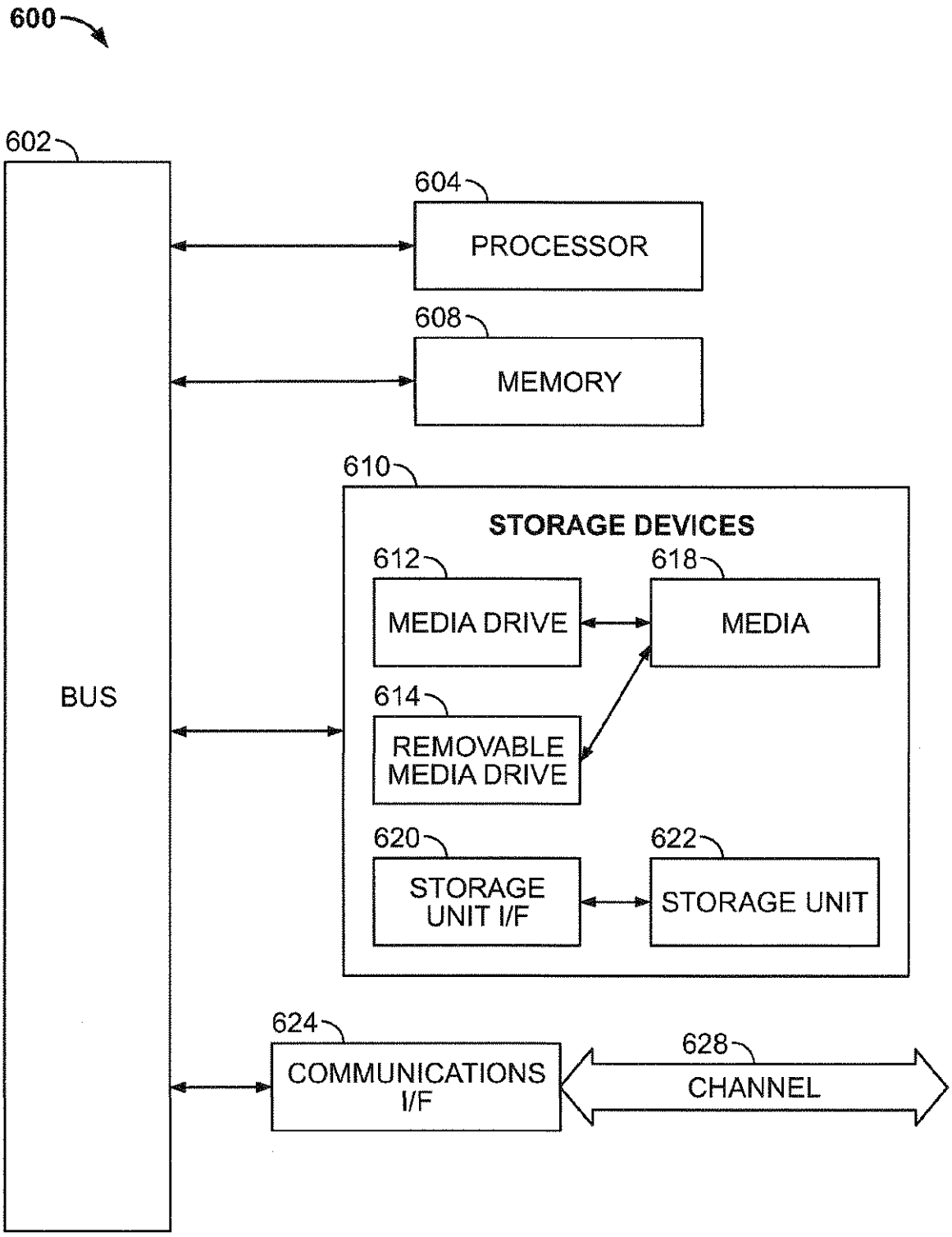

600
602
BUS
604
PROCESSOR
608
MEMORY
610
STORAGE DEVICES
612
MEDIA DRIVE
618
MEDIA
614
REMOVABLE MEDIA DRIVE
620
STORAGE UNIT I/F
622
STORAGE UNIT
624
COMMUNICATIONS I/F
628
CHANNEL

FIG. 6