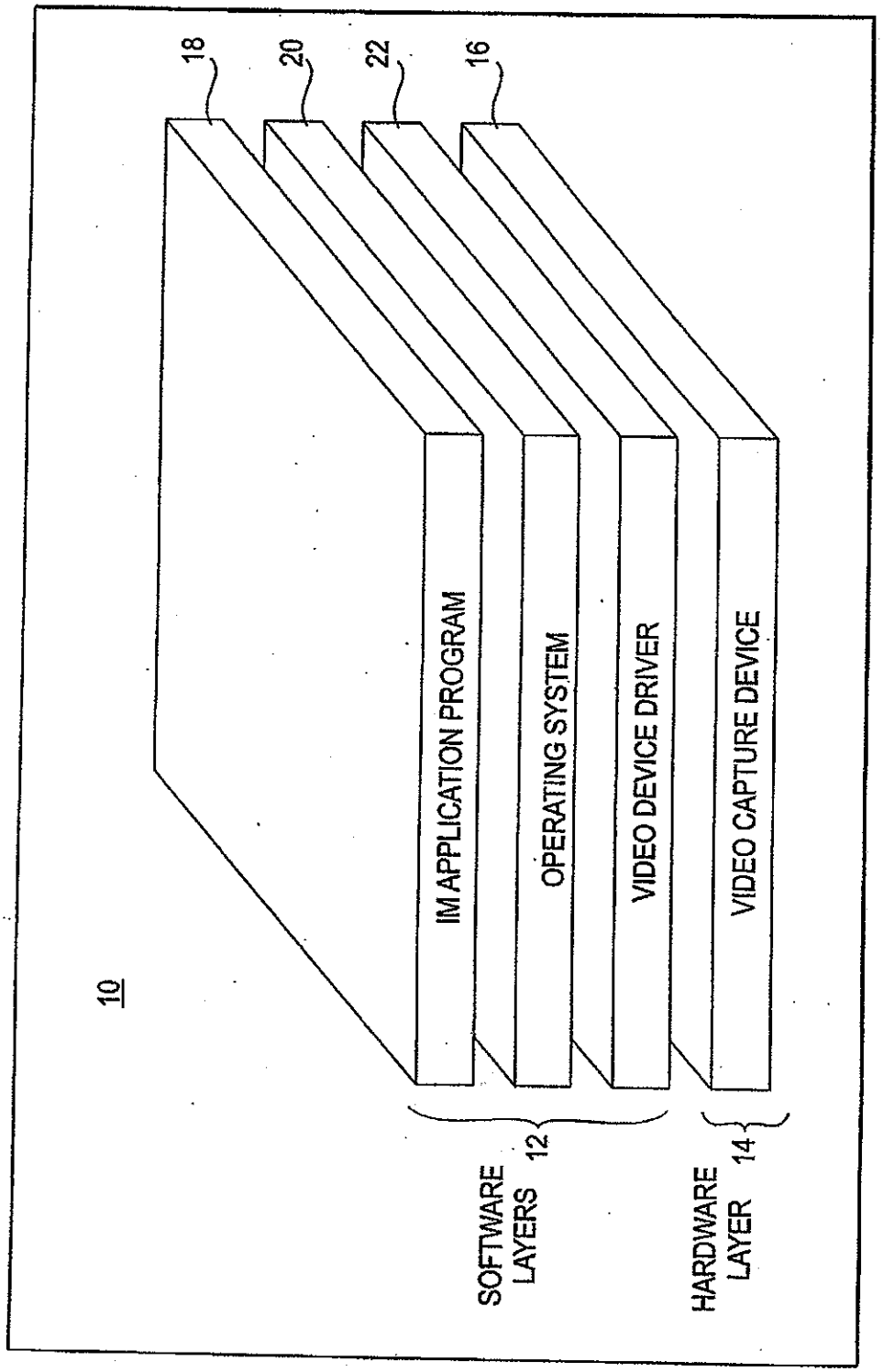

10
18
20
22
16
IM APPLICATION PROGRAM
OPERATING SYSTEM
VIDEO DEVICE DRIVER
VIDEO CAPTURE DEVICE
SOFTWARE LAYERS 12
HARDWARE LAYER 14

FIG. 1

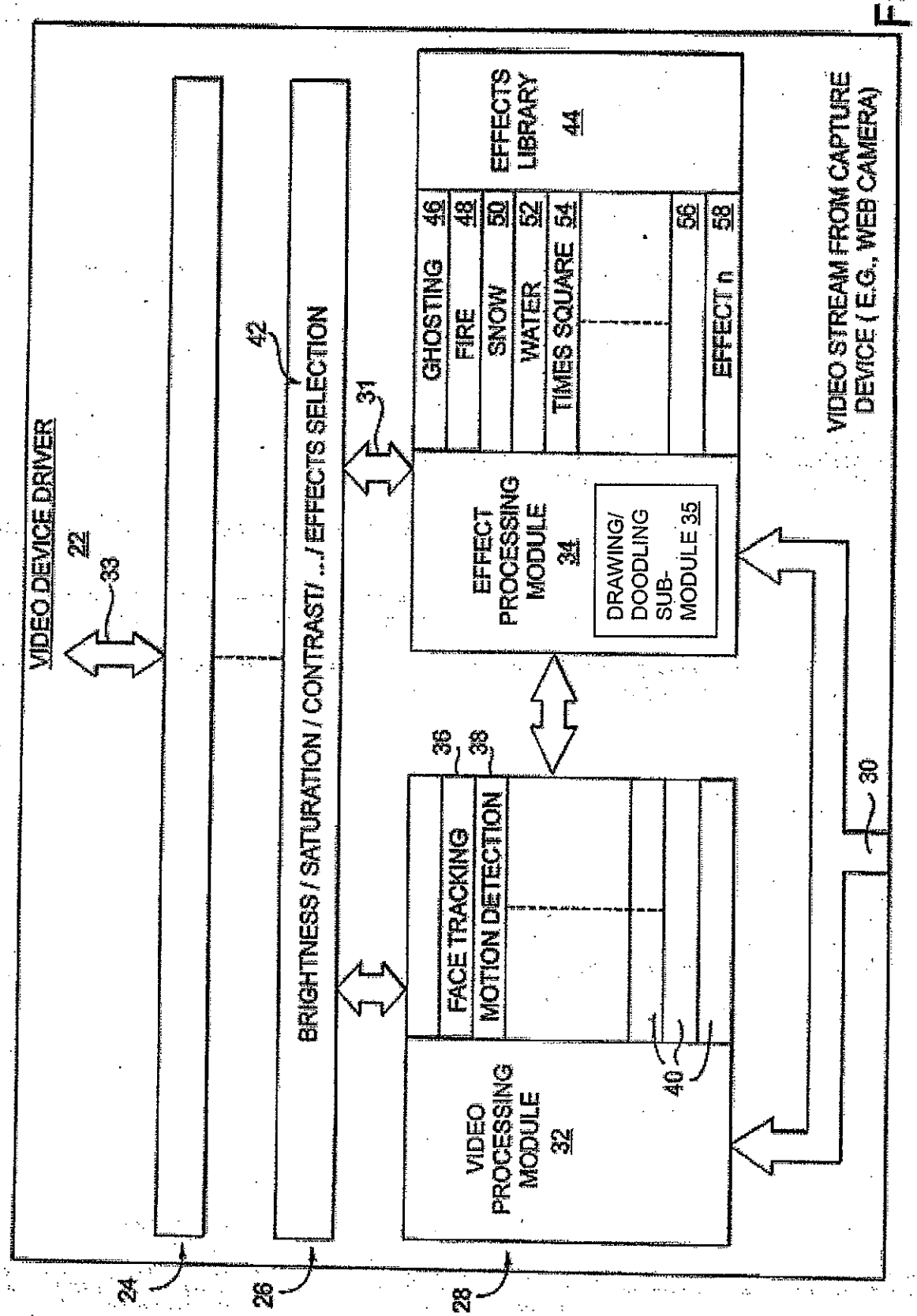

VIDEO DEVICE DRIVER
22
33
42
BRIGHTNESS / SATURATION / CONTRAST/ .../ EFFECTS SELECTION
31
EFFECTS LIBRARY
44
GHOSTING 46
FIRE 48
SNOW 50
WATER 52
TIMES SQUARE 54
56
EFFECT n 58
EFFECT PROCESSING MODULE 34
DRAWING/ DOODLING SUB-MODULE 35
36
38
FACE TRACKING
MOTION DETECTION
VIDEO PROCESSING MODULE 32
40
30
VIDEO STREAM FROM CAPTURE DEVICE (E.G., WEB CAMERA)
24
26
28

FIG. 2

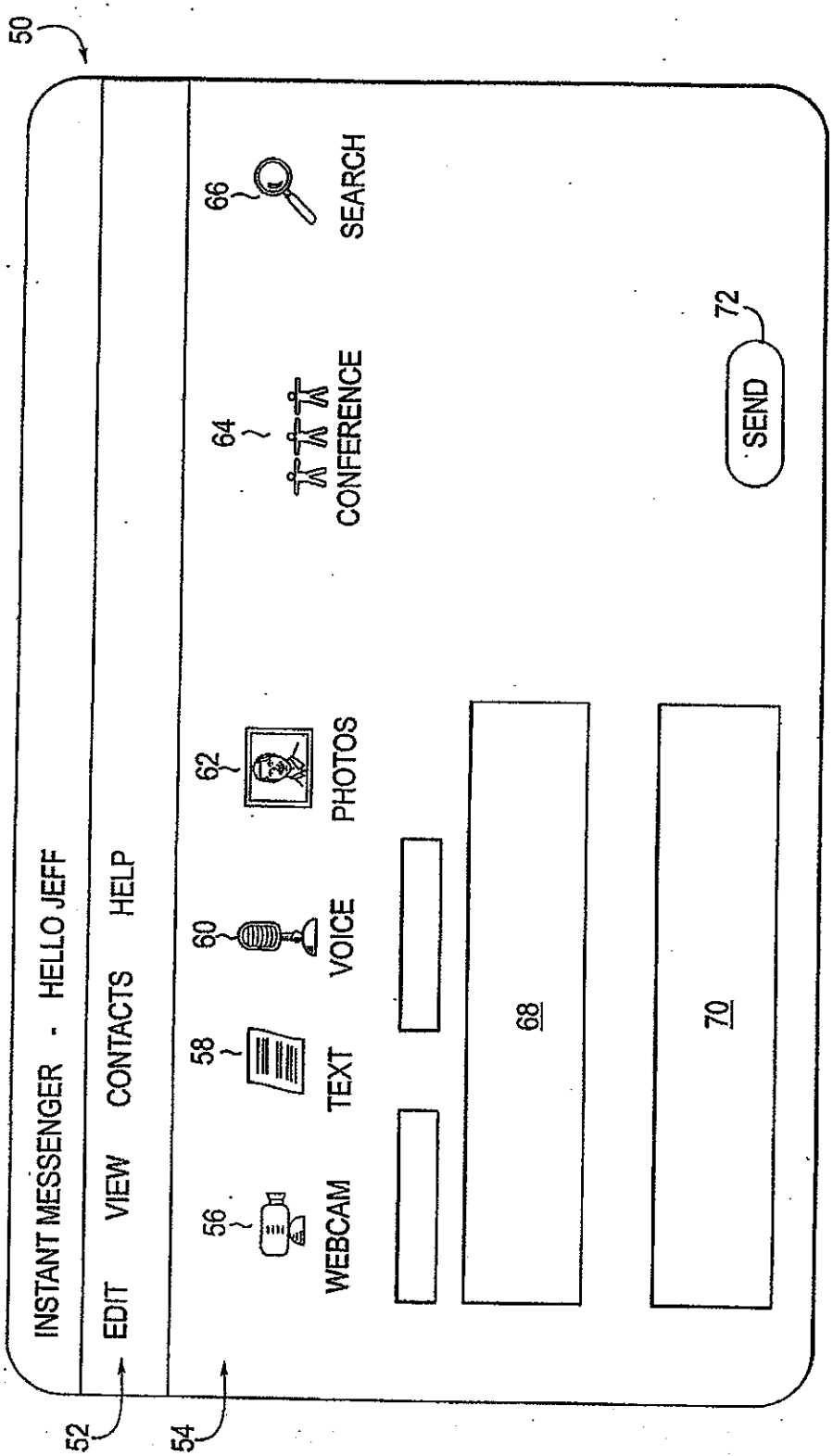

50
INSTANT MESSENGER - HELLO JEFF
EDIT
VIEW
CONTACTS
HELP
52
54
56
WEBCAM
58
TEXT
60
VOICE
62
PHOTOS
64
CONFERENCE
66
SEARCH
68
70
72
SEND

FIG. 3

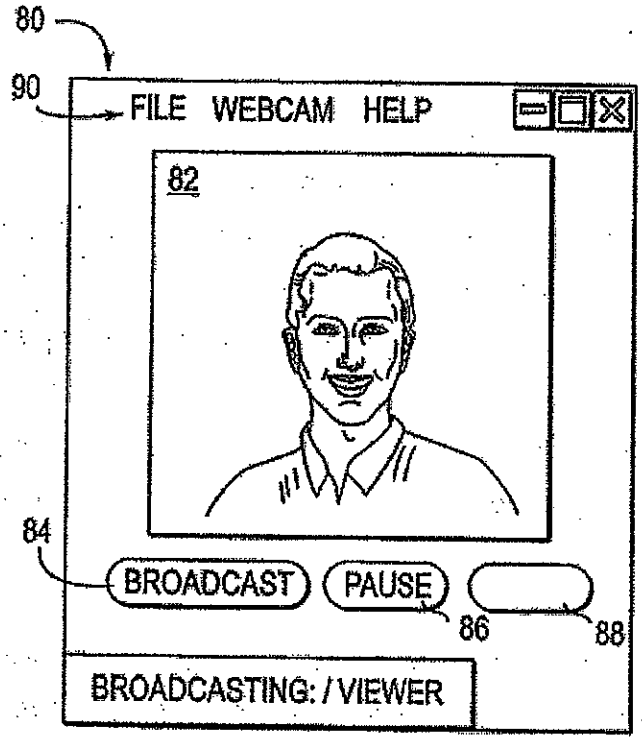


FIG. 4A

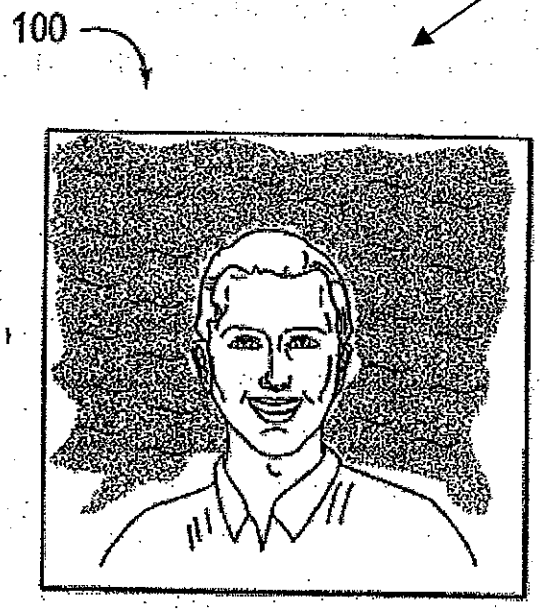


FIG. 4B

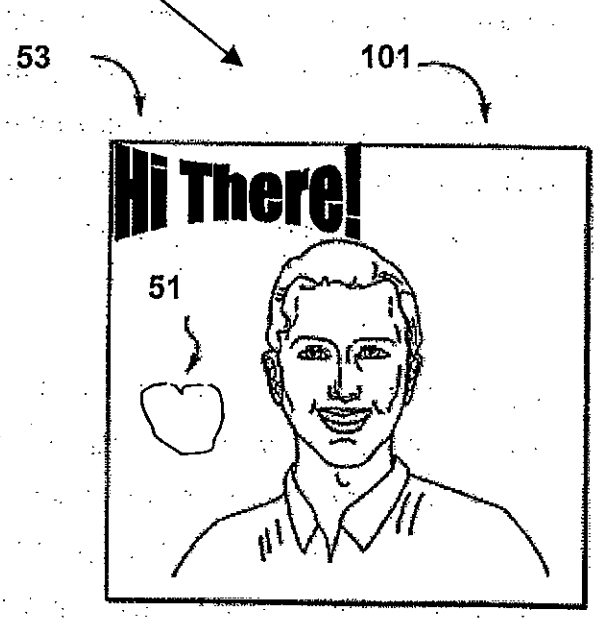


FIG. 4C

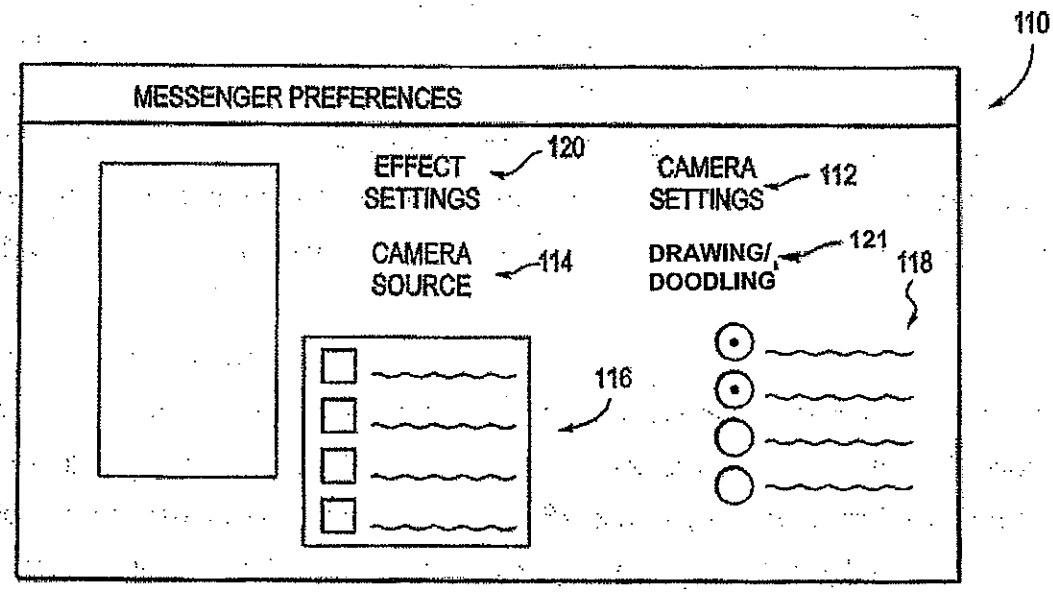

110
MESSENGER PREFERENCES
EFFECT SETTINGS
120
CAMERA SETTINGS
112
CAMERA SOURCE
114
DRAWING/ DOODLING
121
118
116

FIG. 5

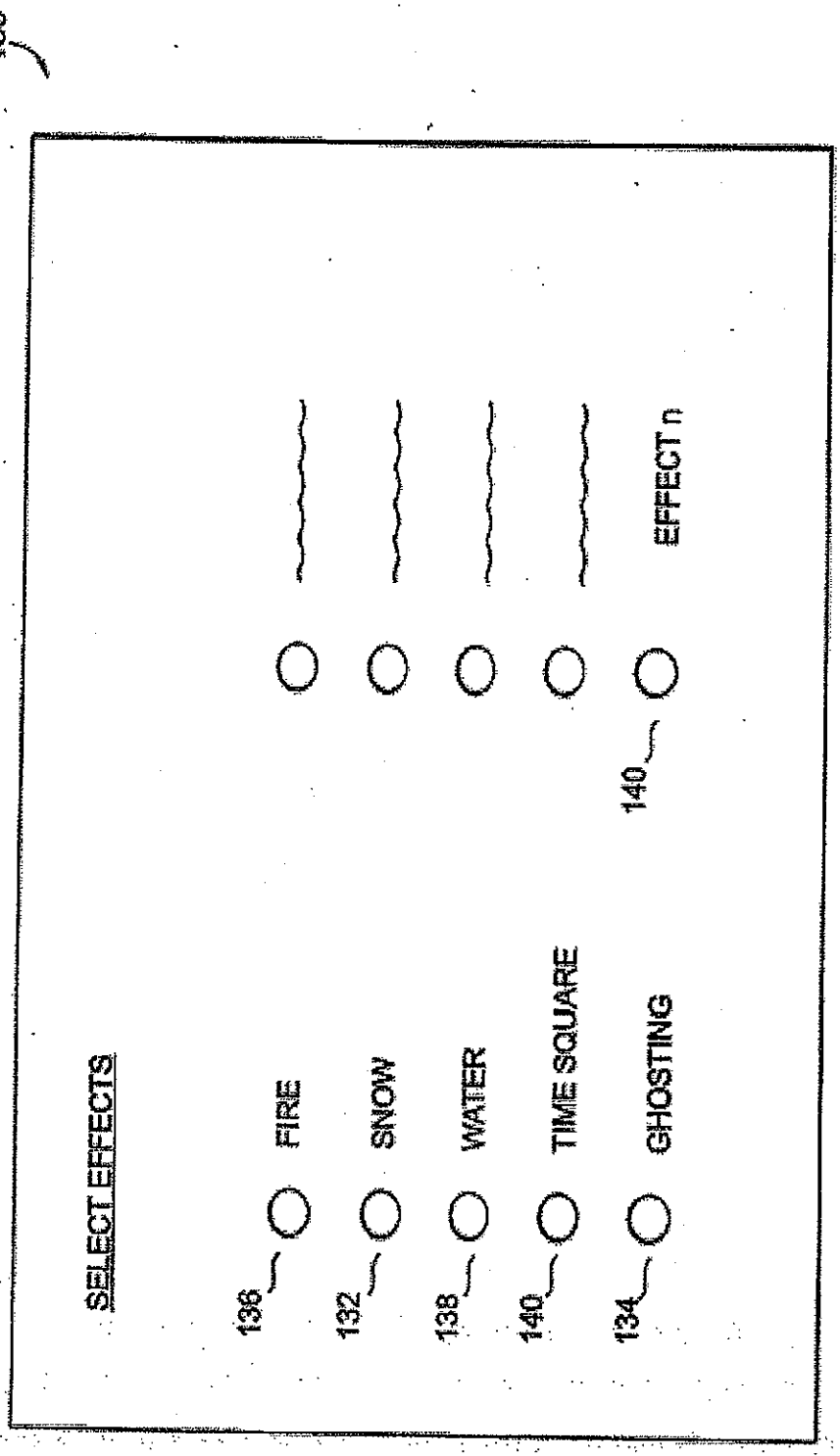

130
SELECT EFFECTS
136
FIRE
132
SNOW
138
WATER
140
TIME SQUARE
134
GHOSTING
140
EFFECT n

FIG. 6A

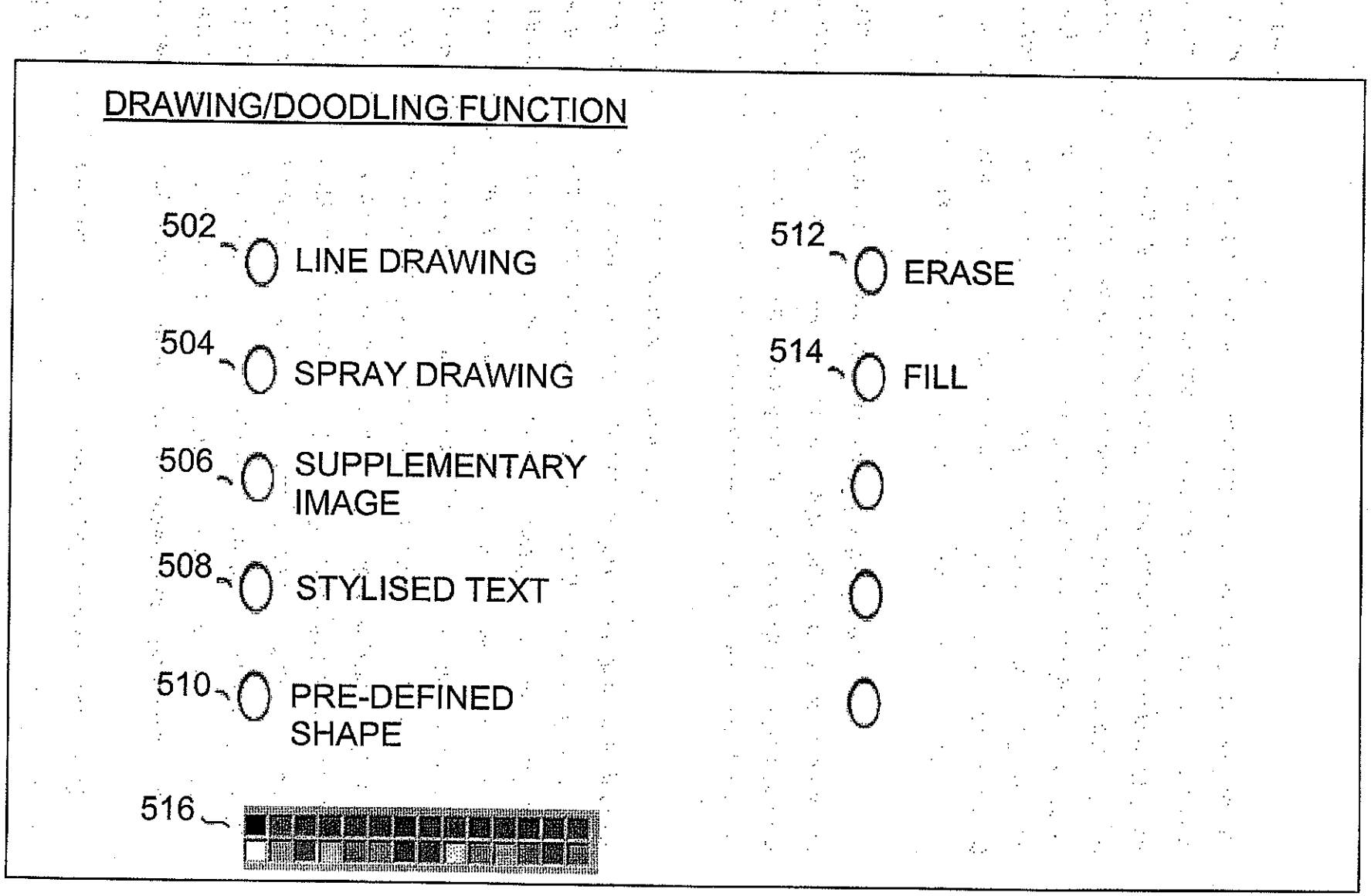

500
DRAWING/DOODLING FUNCTION
502
LINE DRAWING
504
SPRAY DRAWING
506
SUPPLEMENTARY IMAGE
508
STYLISED TEXT
510
PRE-DEFINED SHAPE
512
ERASE
514
FILL
516

FIG. 6B

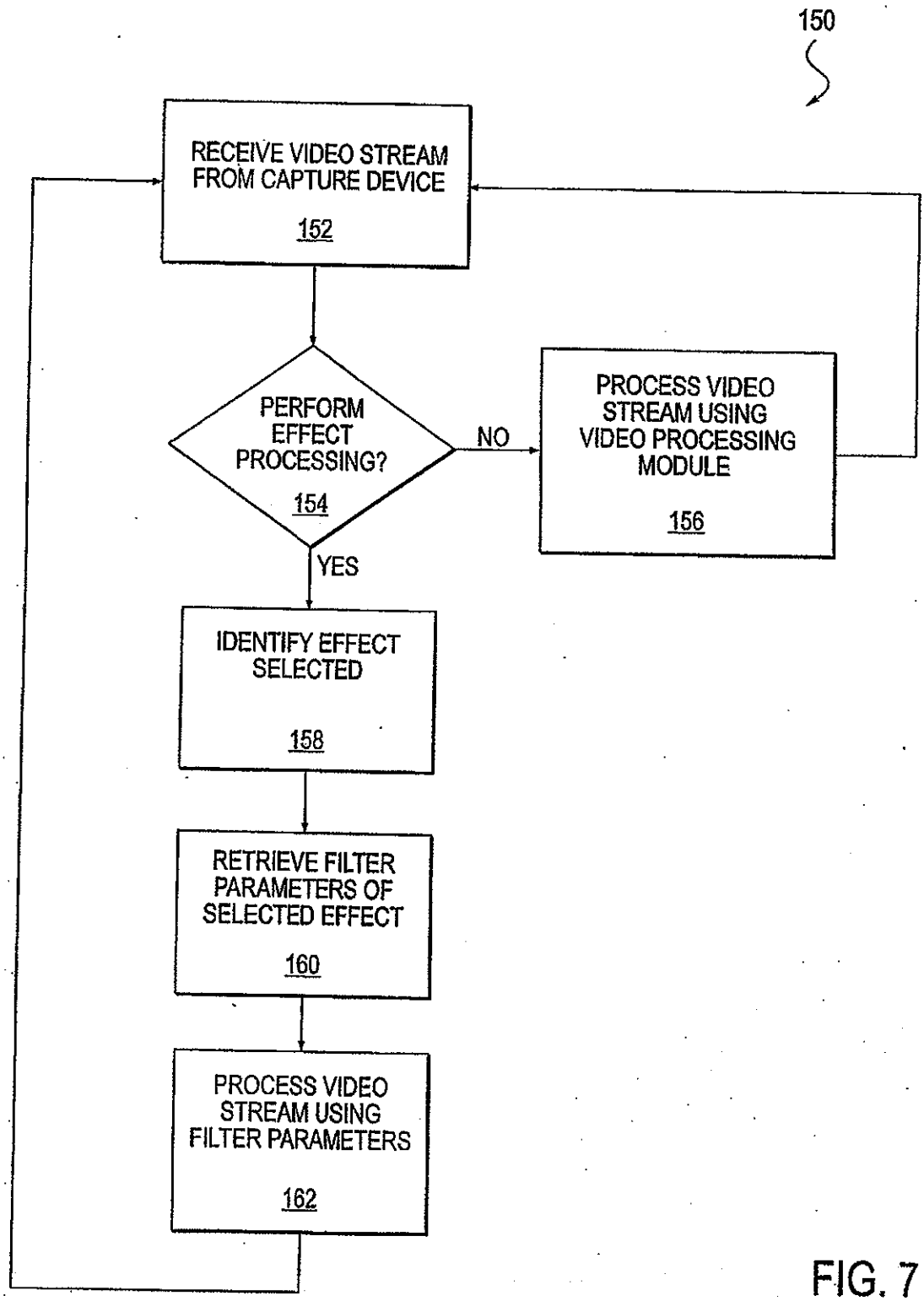

150
RECEIVE VIDEO STREAM FROM CAPTURE DEVICE
152
PERFORM EFFECT PROCESSING?
154
NO
PROCESS VIDEO STREAM USING VIDEO PROCESSING MODULE
156
YES
IDENTIFY EFFECT SELECTED
158
RETRIEVE FILTER PARAMETERS OF SELECTED EFFECT
160
PROCESS VIDEO STREAM USING FILTER PARAMETERS
162

FIG. 7

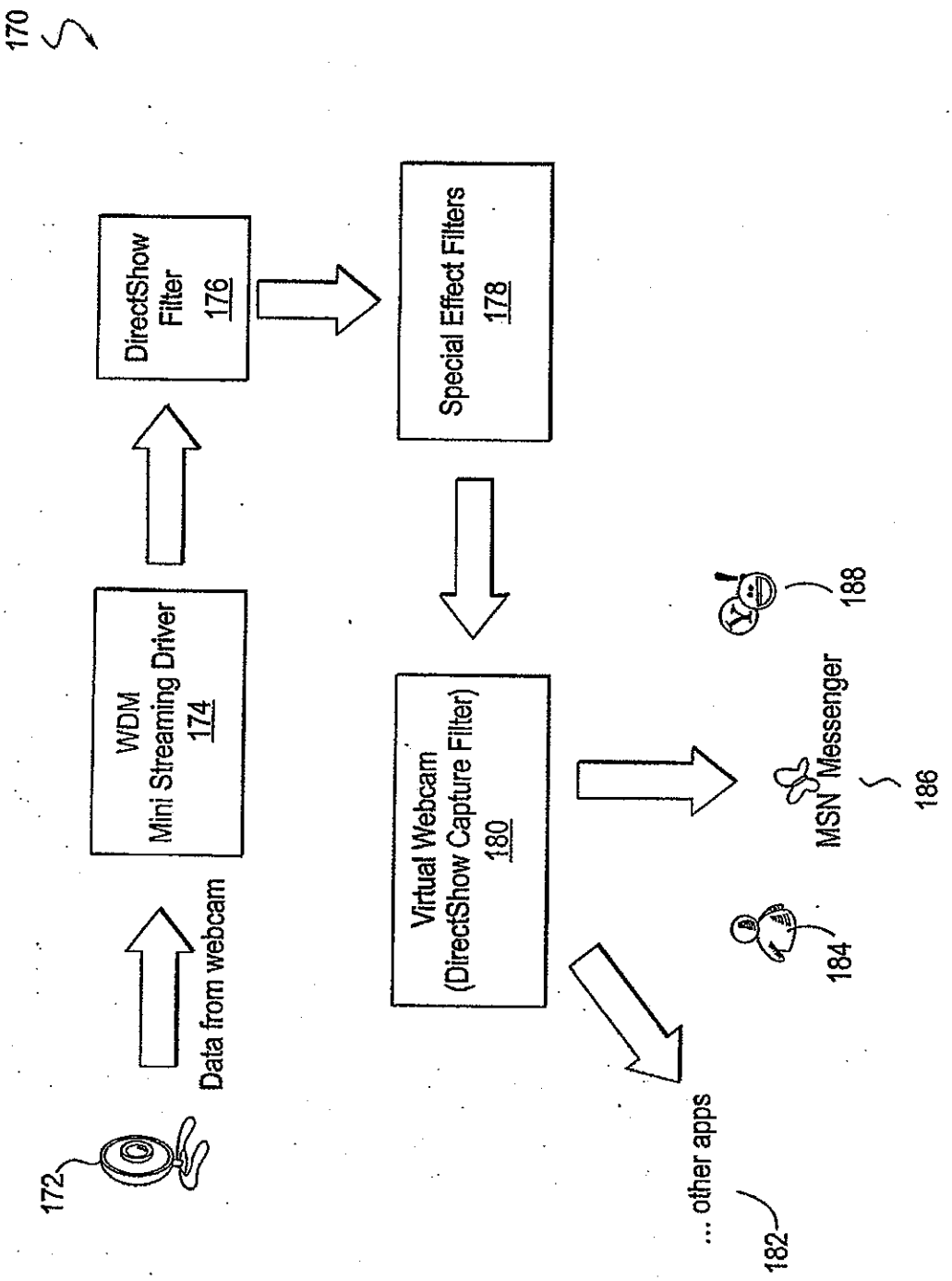

170
172
Data from webcam
WDM
Mini Streaming Driver
174
DirectShow
Filter
176
Special Effect Filters
178
Virtual Webcam
(DirectShow Capture Filter)
180
... other apps
182
184
MSN Messenger
186
188

FIG. 8

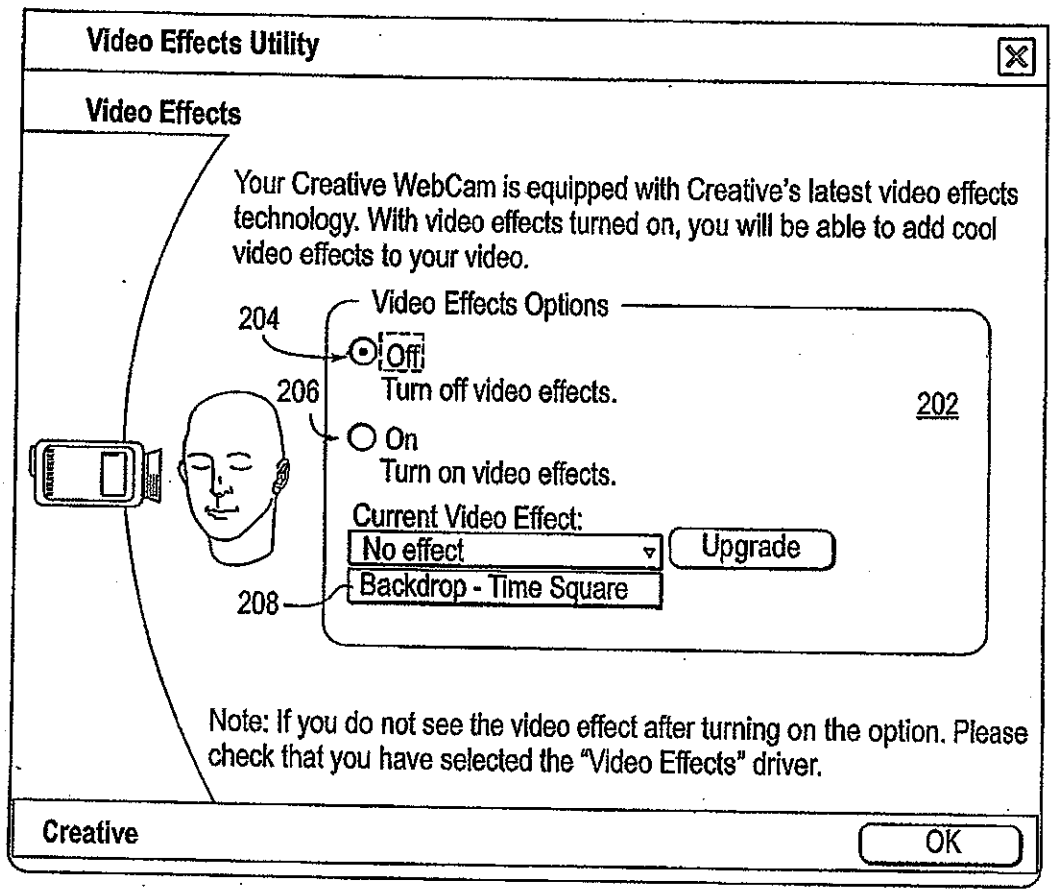

Video Effects Utility
Video Effects
Your Creative WebCam is equipped with Creative's latest video effects technology. With video effects turned on, you will be able to add cool video effects to your video.
Video Effects Options
204
Off
Turn off video effects.
206
On
Turn on video effects.
202
Current Video Effect:
No effect
Upgrade
208
Backdrop - Time Square
Note: If you do not see the video effect after turning on the option. Please check that you have selected the "Video Effects" driver.
Creative
OK

FIG. 9

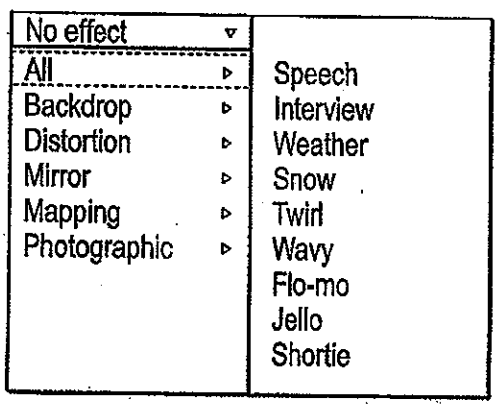

No effect
All
Backdrop
Distortion
Mirror
Mapping
Photographic
Speech
Interview
Weather
Snow
Twirl
Wavy
Flo-mo
Jello
Shortie

FIG. 10

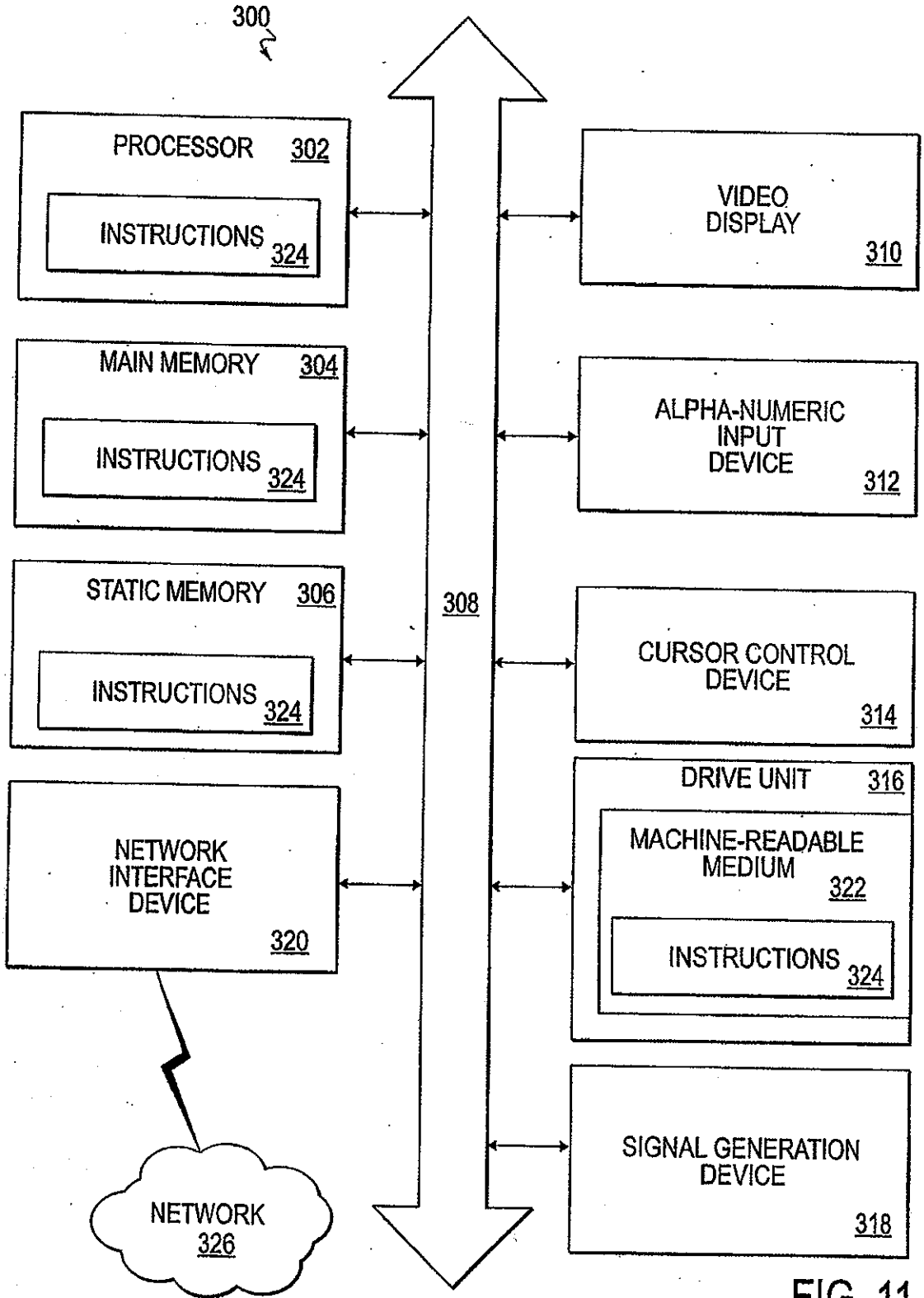

300
PROCESSOR 302
INSTRUCTIONS 324
MAIN MEMORY 304
INSTRUCTIONS 324
STATIC MEMORY 306
INSTRUCTIONS 324
NETWORK INTERFACE DEVICE 320
NETWORK 326
308
VIDEO DISPLAY 310
ALPHA-NUMERIC INPUT DEVICE 312
CURSOR CONTROL DEVICE 314
DRIVE UNIT 316
MACHINE-READABLE MEDIUM 322
INSTRUCTIONS 324
SIGNAL GENERATION DEVICE 318

FIG. 11