FIG. 1

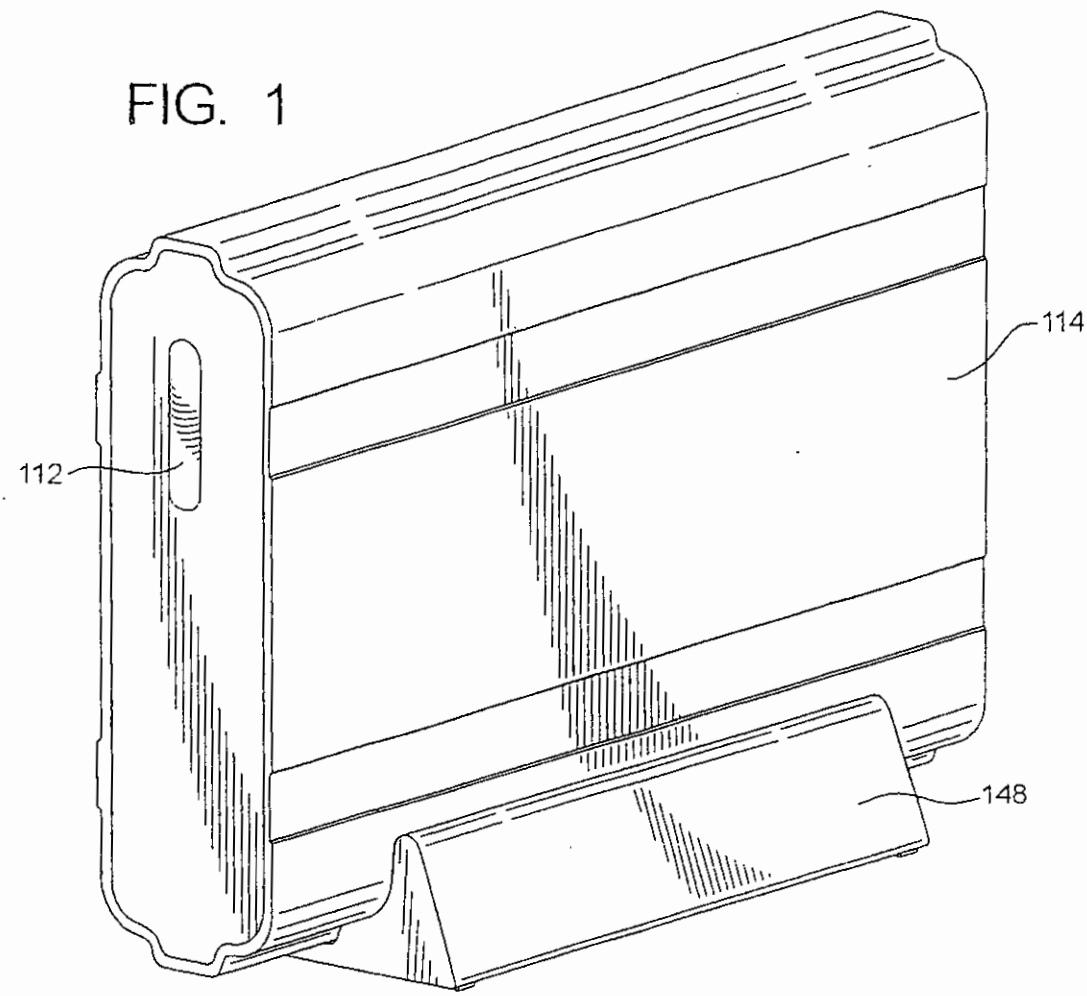


FIG. 2

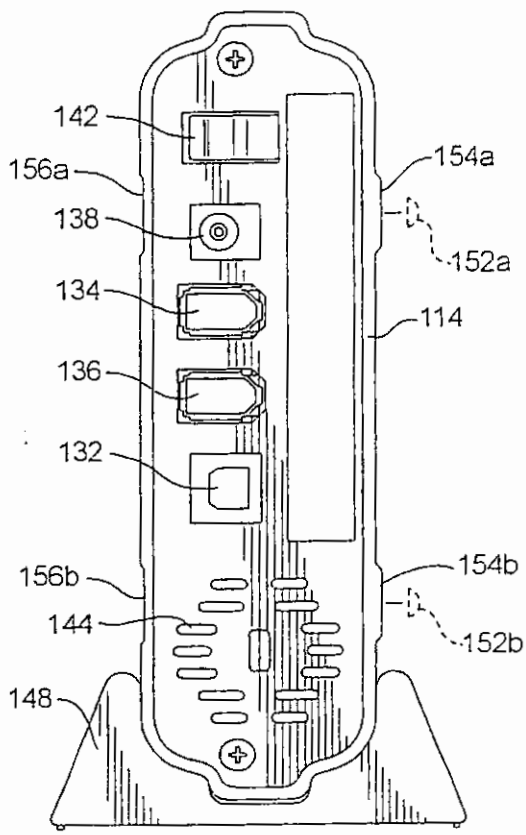

142
156a
138
134
136
132
156b
144
148
154a
152a
114
154b
152b

FIG. 3

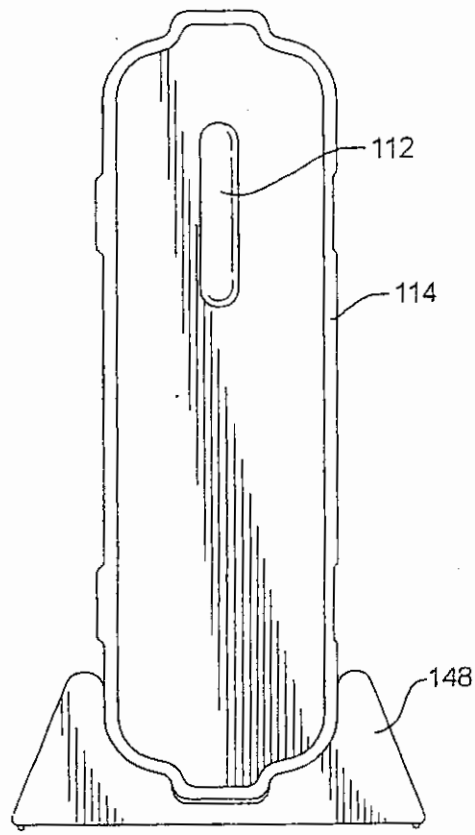

112
114
148

FIG. 4

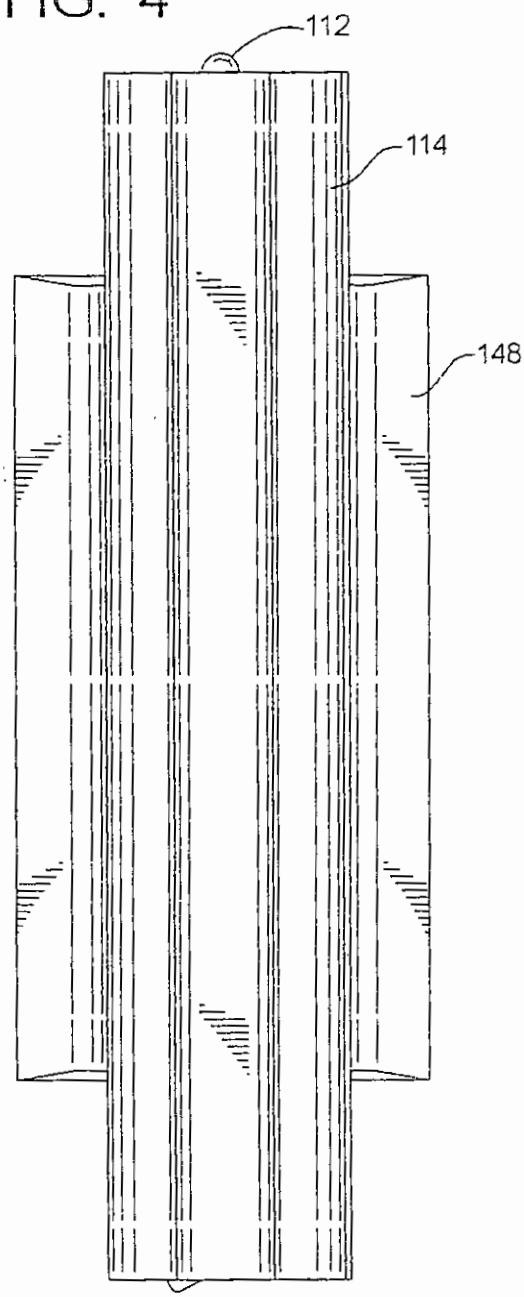


FIG. 5

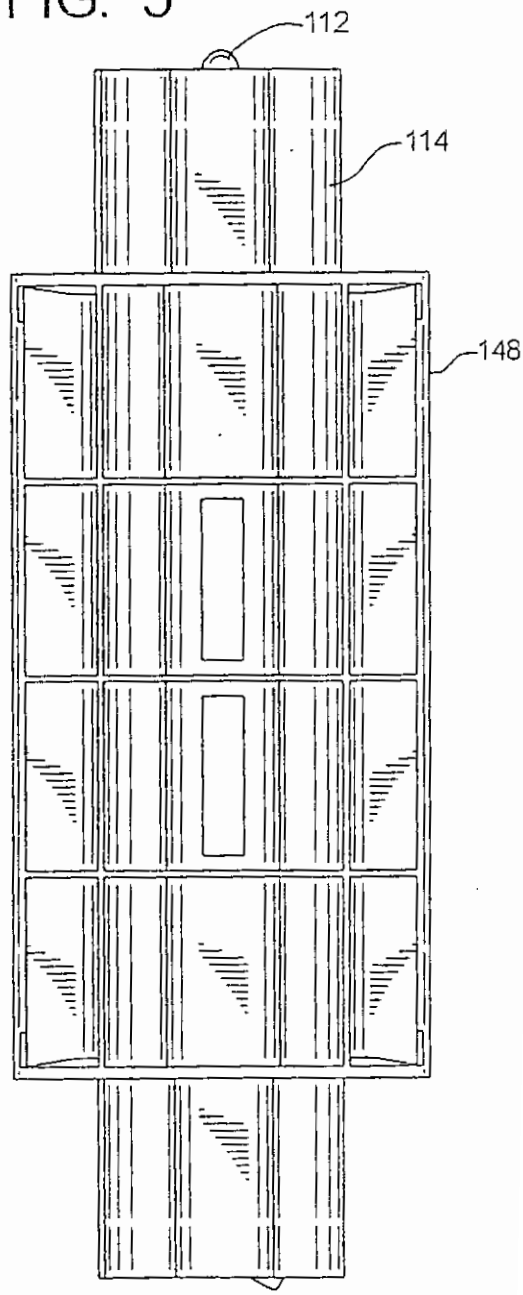


FIG. 6

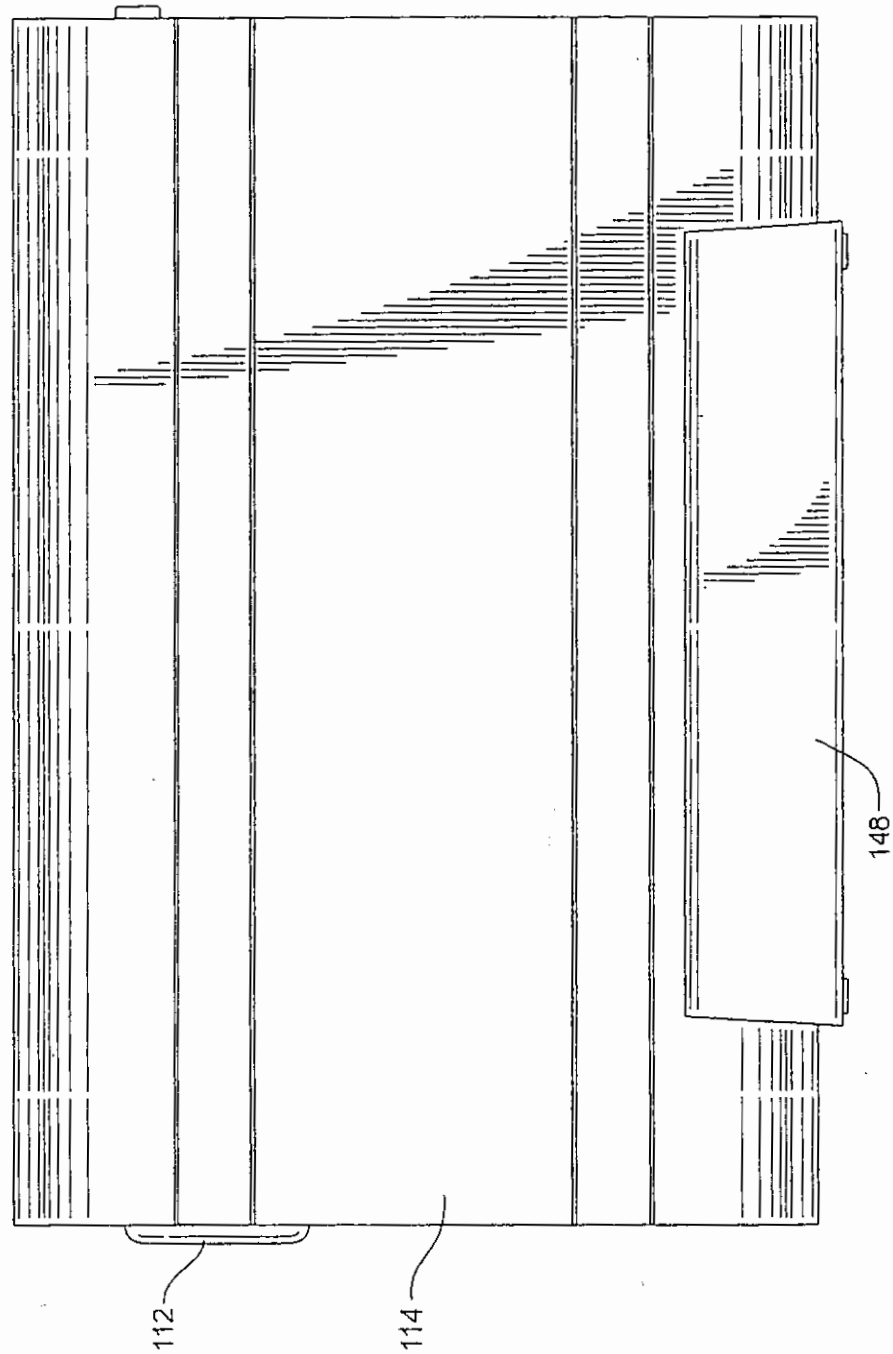


FIG. 7

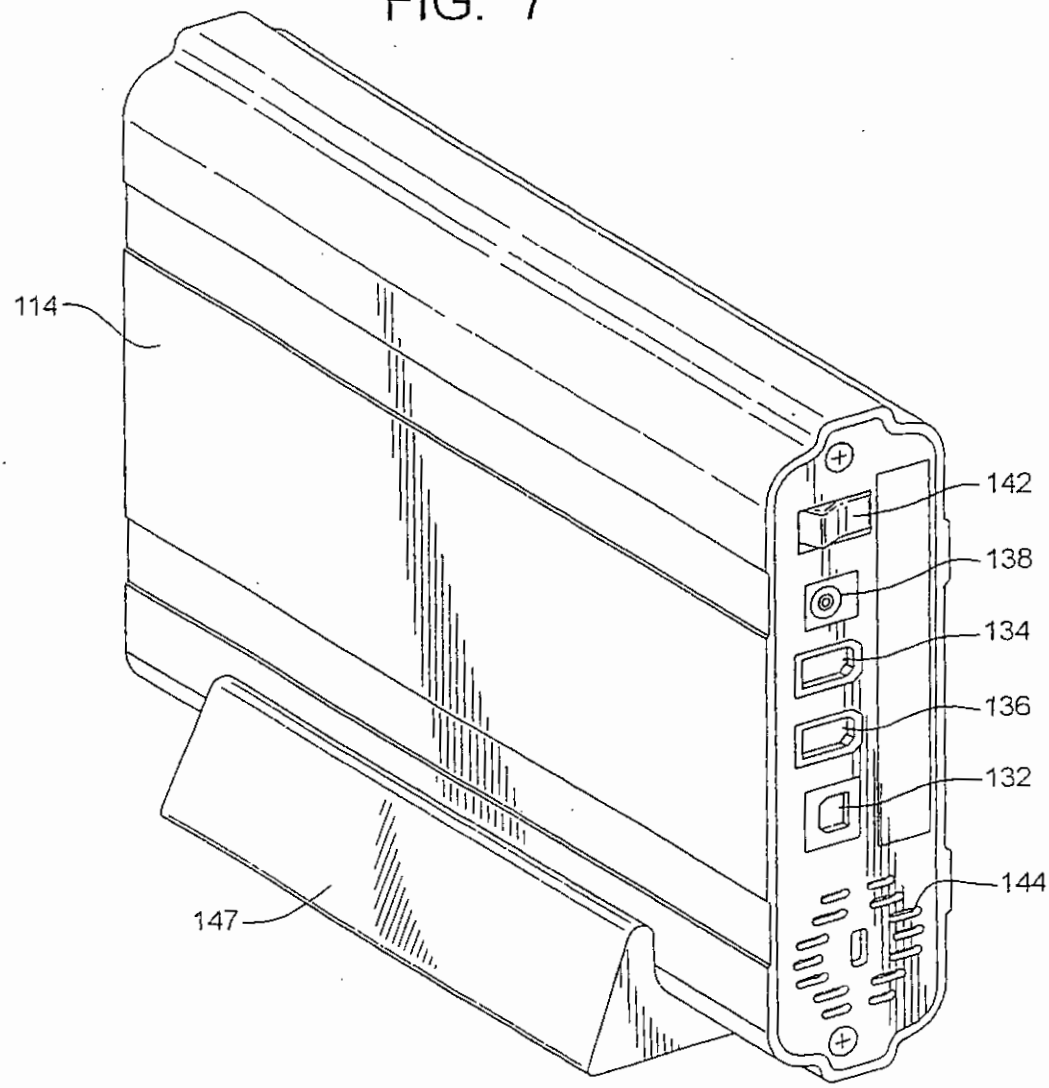


FIG. 8

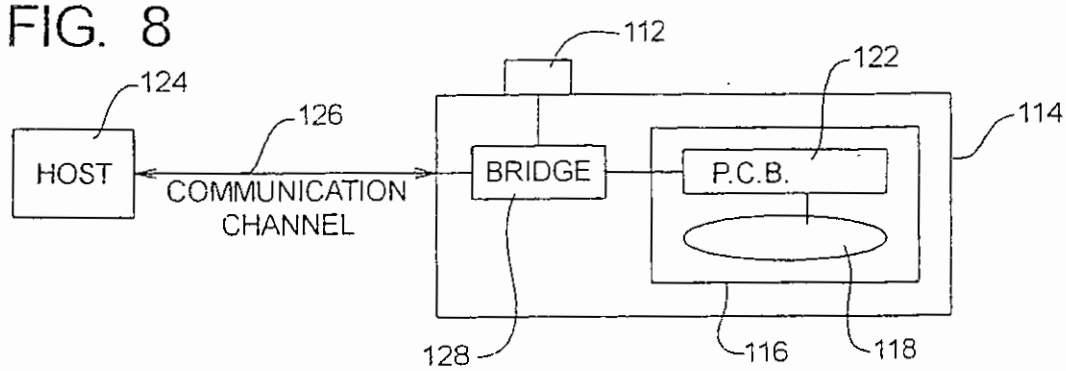


FIG. 9

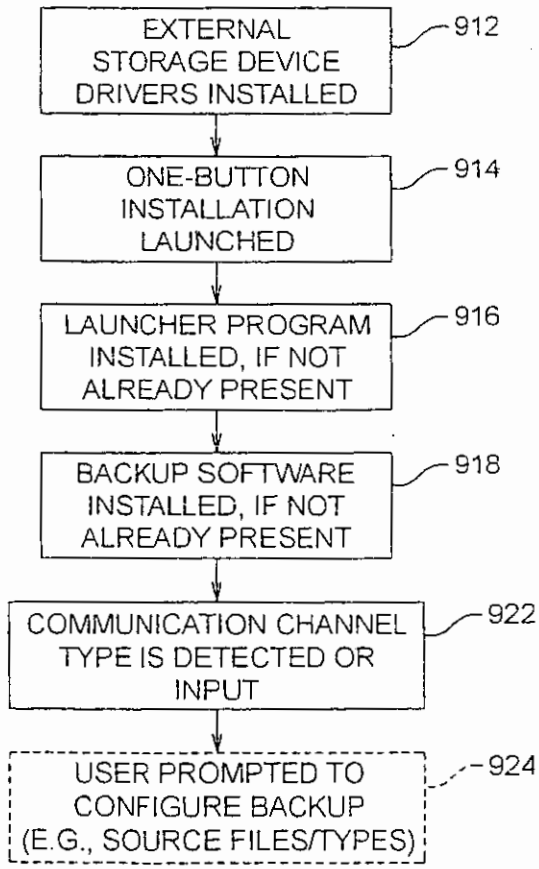


FIG. 10

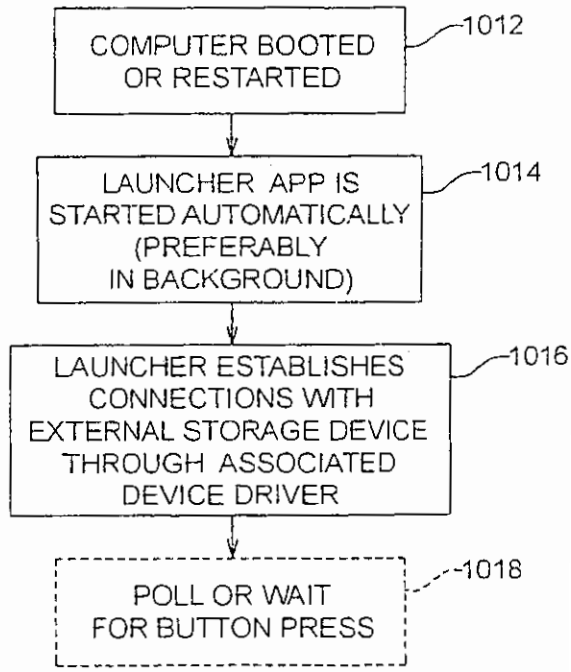


FIG. 11

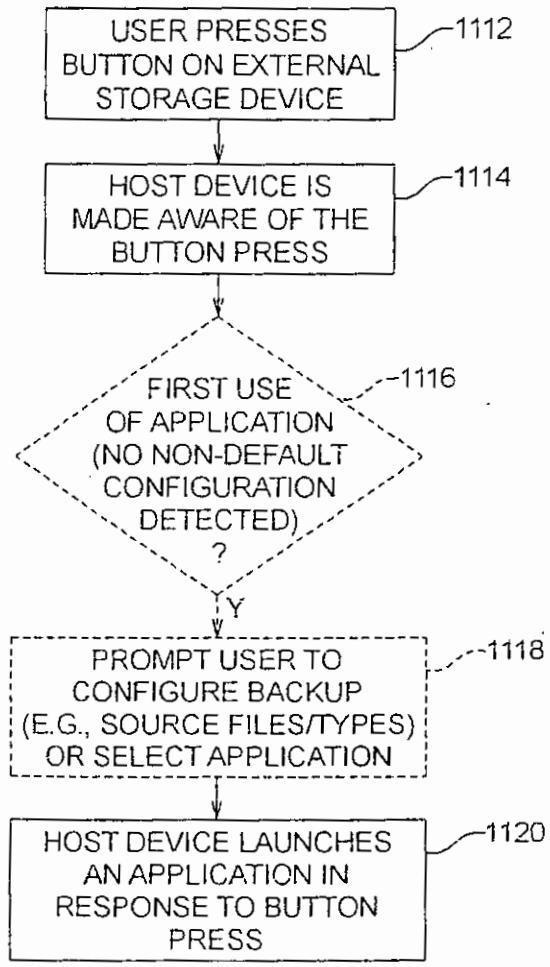

USER PRESSES BUTTON ON EXTERNAL STORAGE DEVICE
1112
HOST DEVICE IS MADE AWARE OF THE BUTTON PRESS
1114
FIRST USE OF APPLICATION (NO NON-DEFAULT CONFIGURATION DETECTED) ?
1116
Y
PROMPT USER TO CONFIGURE BACKUP (E.G., SOURCE FILES/TYPES) OR SELECT APPLICATION
1118
HOST DEVICE LAUNCHES AN APPLICATION IN RESPONSE TO BUTTON PRESS
1120

FIG. 12

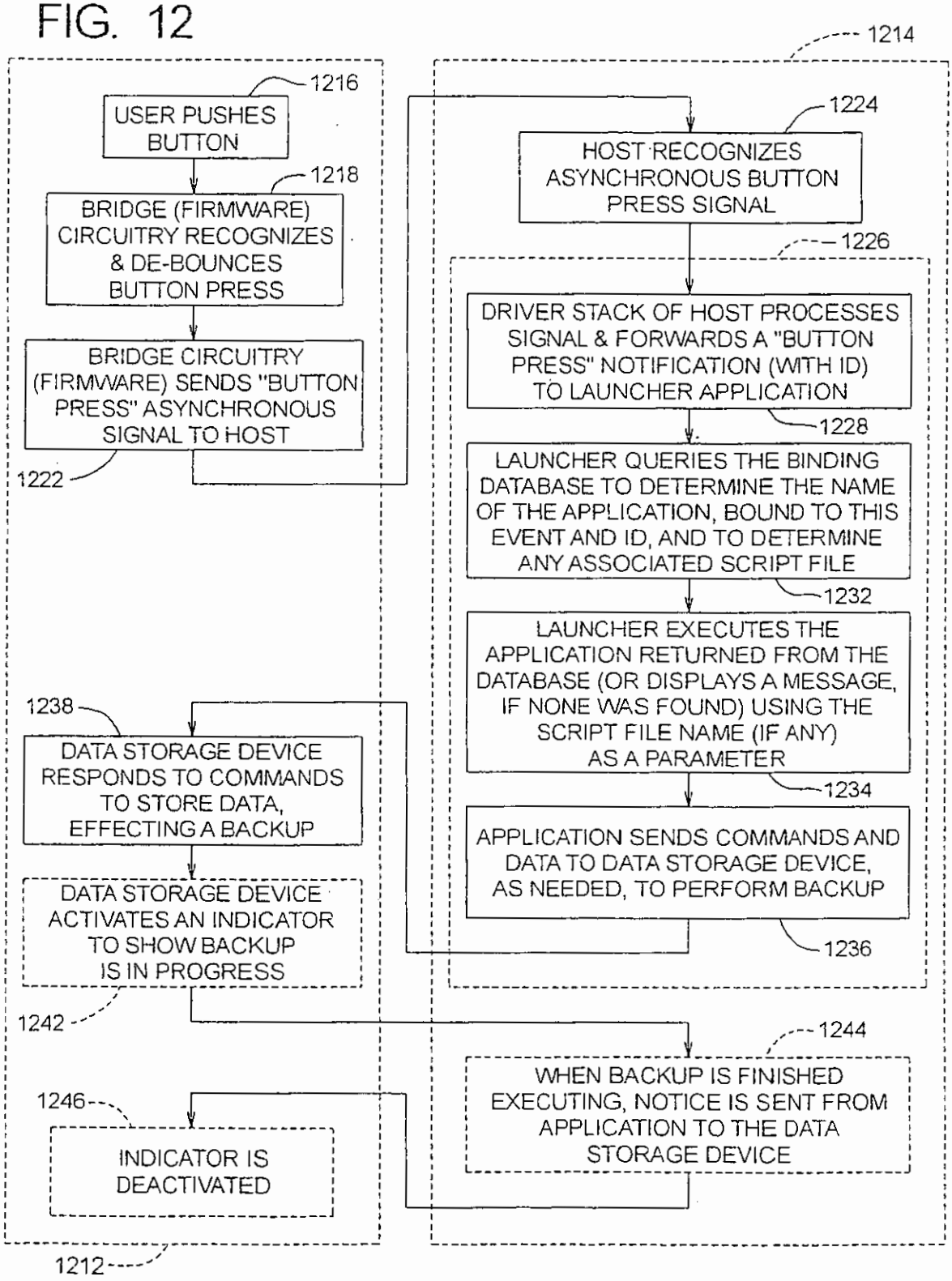

1214
1216
USER PUSHES BUTTON
1218
BRIDGE (FIRMWARE) CIRCUITRY RECOGNIZES & DE-BOUNCES BUTTON PRESS
BRIDGE CIRCUITRY (FIRMWARE) SENDS "BUTTON PRESS" ASYNCHRONOUS SIGNAL TO HOST
1222
1224
HOST RECOGNIZES ASYNCHRONOUS BUTTON PRESS SIGNAL
1226
DRIVER STACK OF HOST PROCESSES SIGNAL & FORWARDS A "BUTTON PRESS" NOTIFICATION (WITH ID) TO LAUNCHER APPLICATION
1228
LAUNCHER QUERIES THE BINDING DATABASE TO DETERMINE THE NAME OF THE APPLICATION, BOUND TO THIS EVENT AND ID, AND TO DETERMINE ANY ASSOCIATED SCRIPT FILE
1232
LAUNCHER EXECUTES THE APPLICATION RETURNED FROM THE DATABASE (OR DISPLAYS A MESSAGE, IF NONE WAS FOUND) USING THE SCRIPT FILE NAME (IF ANY) AS A PARAMETER
1234
APPLICATION SENDS COMMANDS AND DATA TO DATA STORAGE DEVICE, AS NEEDED, TO PERFORM BACKUP
1236
1238
DATA STORAGE DEVICE RESPONDS TO COMMANDS TO STORE DATA, EFFECTING A BACKUP
DATA STORAGE DEVICE ACTIVATES AN INDICATOR TO SHOW BACKUP IS IN PROGRESS
1242
1244
WHEN BACKUP IS FINISHED EXECUTING, NOTICE IS SENT FROM APPLICATION TO THE DATA STORAGE DEVICE
1246
INDICATOR IS DEACTIVATED
1212

FIG. 13

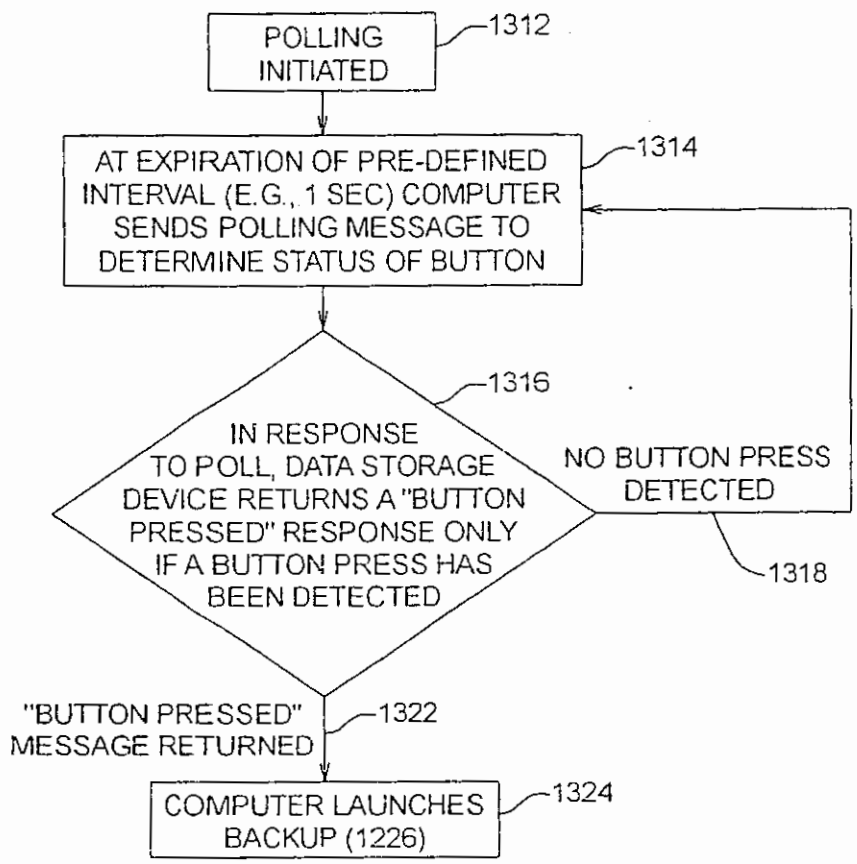

POLLING INITIATED
1312
AT EXPIRATION OF PRE-DEFINED INTERVAL (E.G., 1 SEC) COMPUTER SENDS POLLING MESSAGE TO DETERMINE STATUS OF BUTTON
1314
IN RESPONSE TO POLL, DATA STORAGE DEVICE RETURNS A "BUTTON PRESSED" RESPONSE ONLY IF A BUTTON PRESS HAS BEEN DETECTED
1316
NO BUTTON PRESS DETECTED
1318
"BUTTON PRESSED" MESSAGE RETURNED
1322
COMPUTER LAUNCHES BACKUP (1226)
1324

FIG. 14

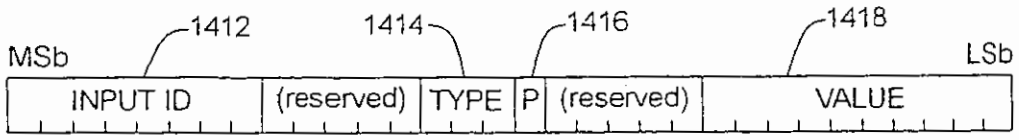

MSb
1412
1414
1416
1418
LSb
INPUT ID
(reserved)
TYPE
P
(reserved)
VALUE

FIG. 15

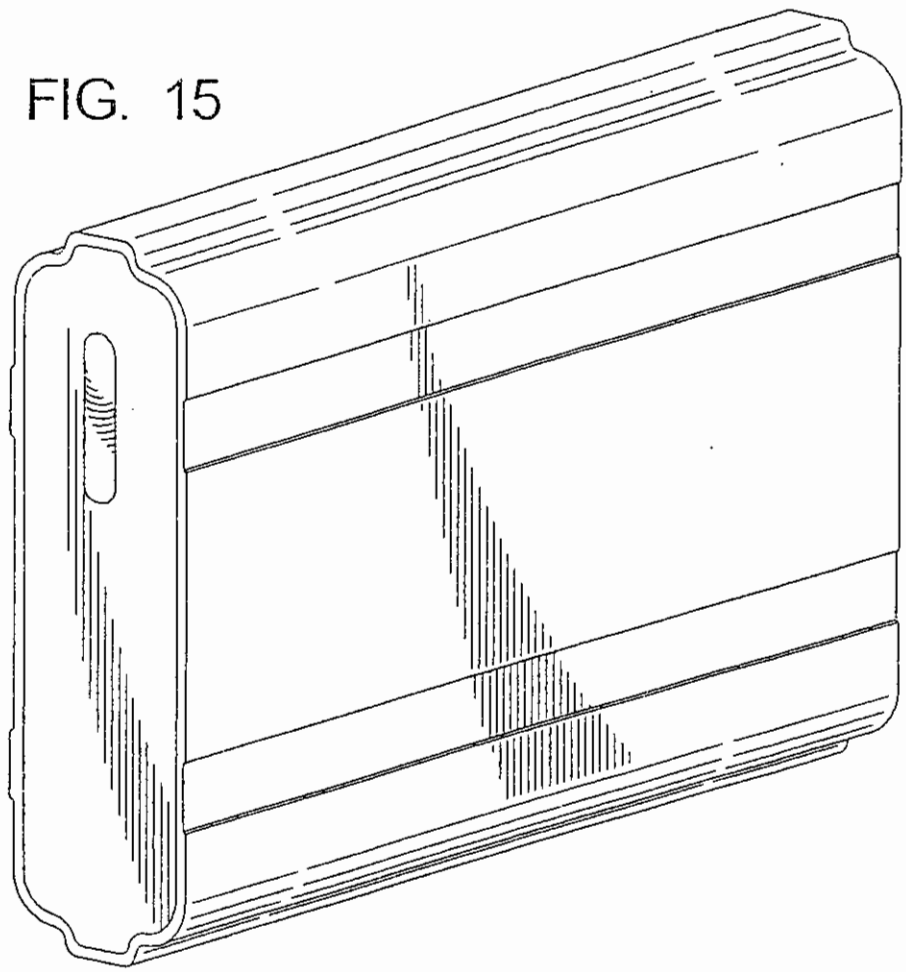


FIG. 16

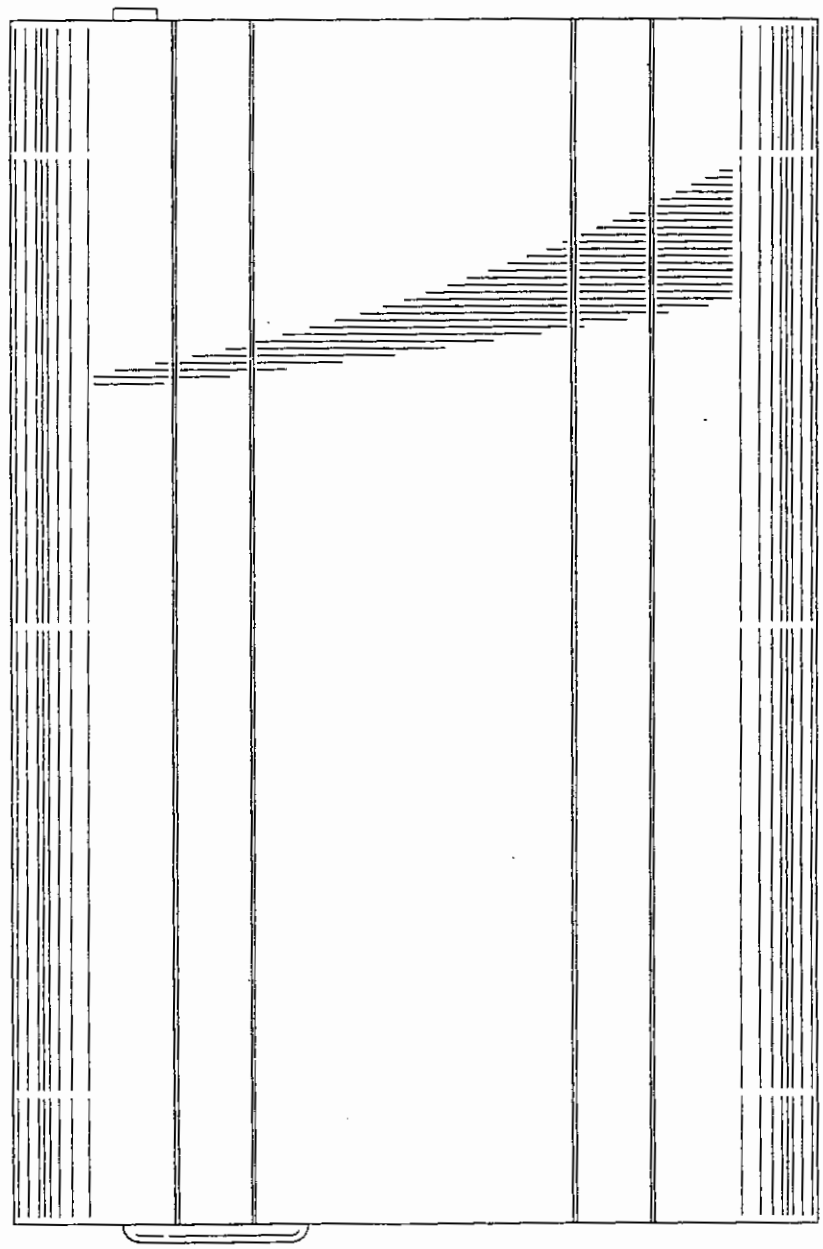


FIG. 17

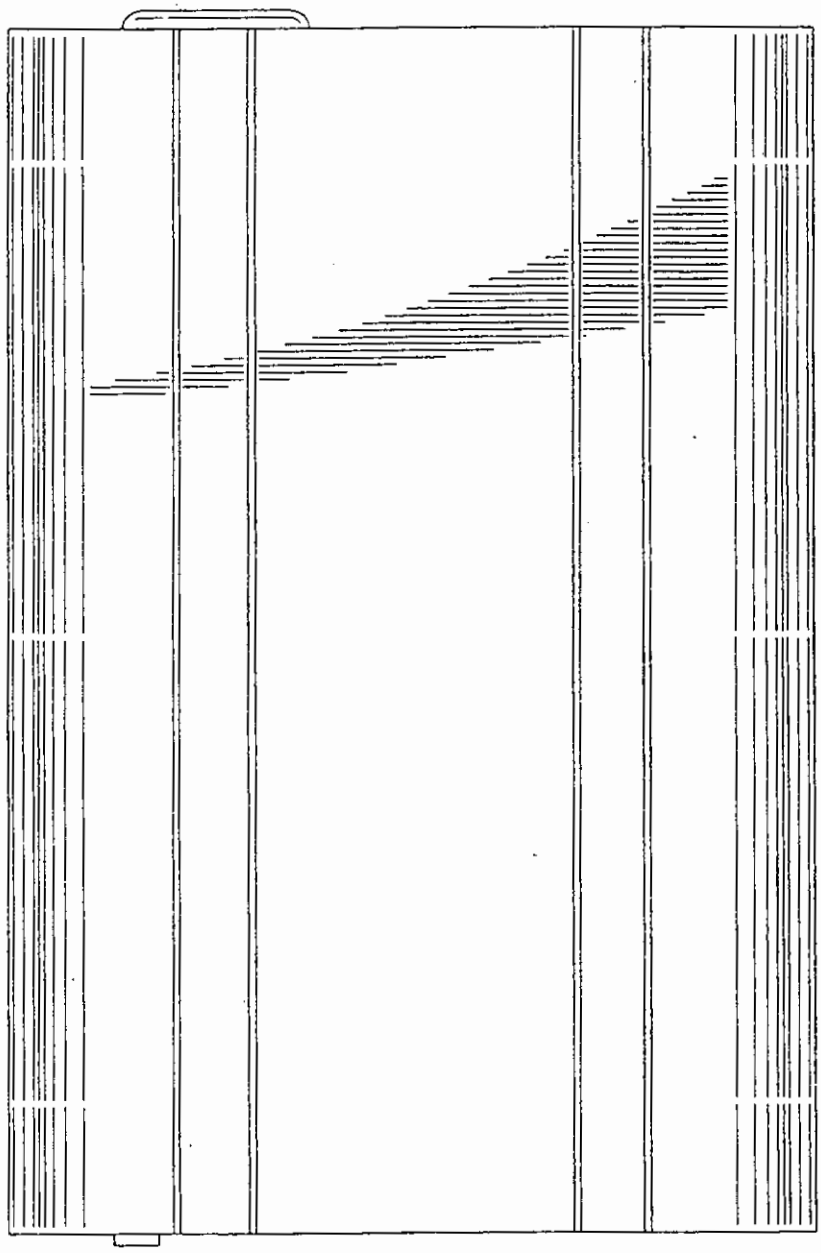


FIG. 18

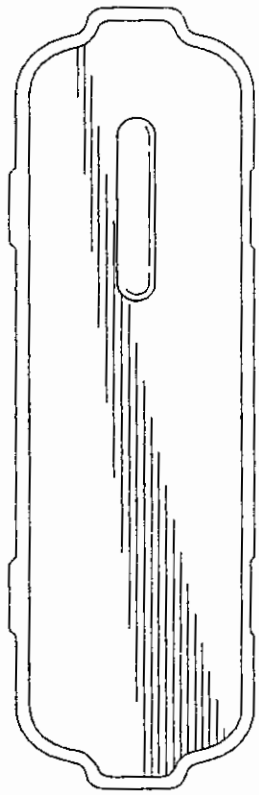


FIG. 19

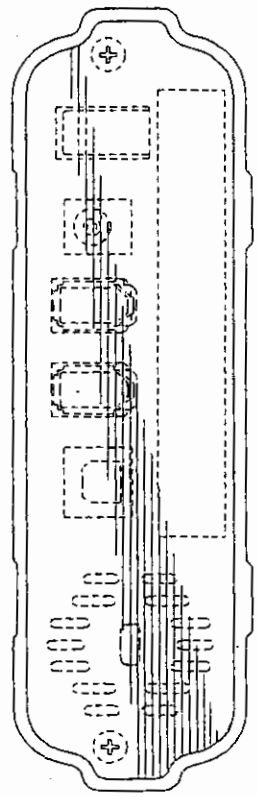


FIG. 20



FIG. 21



FIG. 22

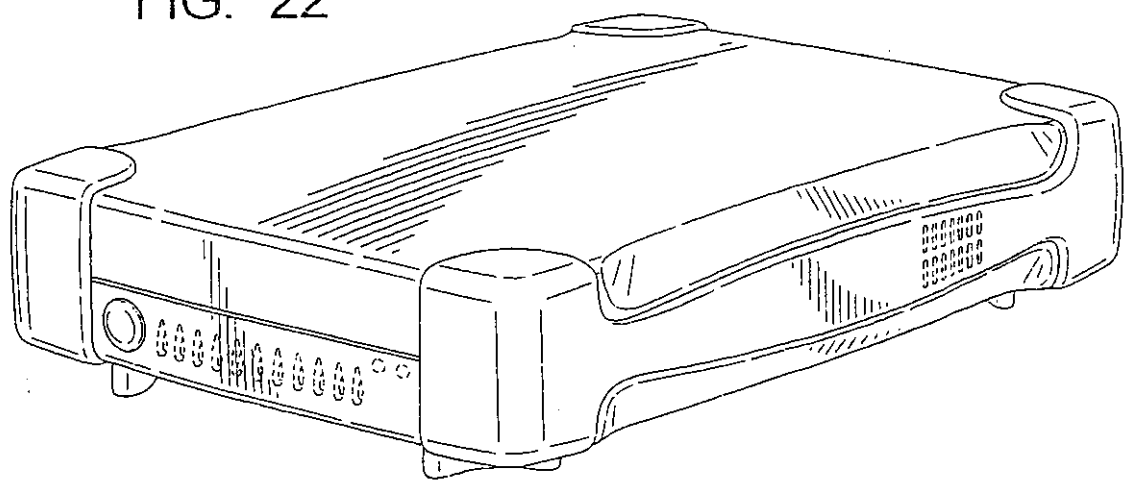


FIG. 23

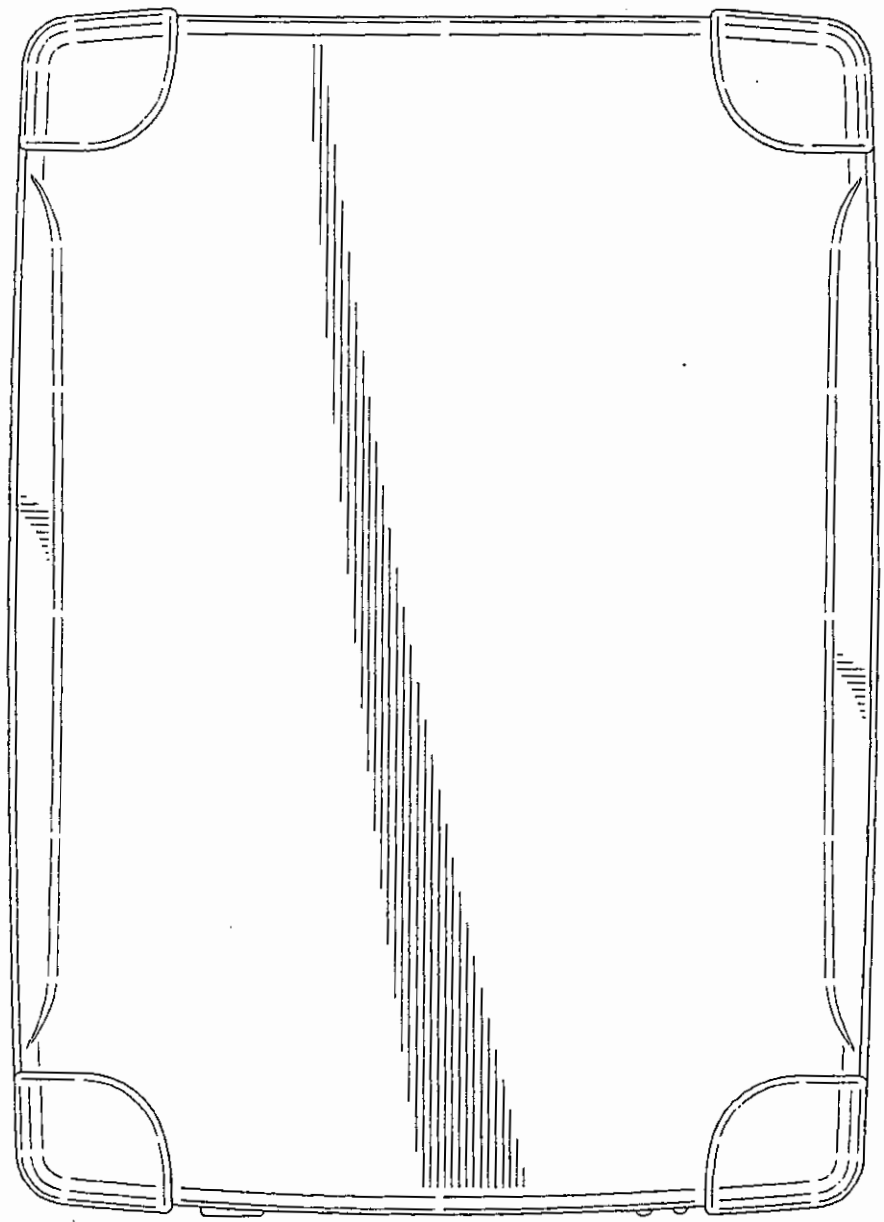


FIG. 24

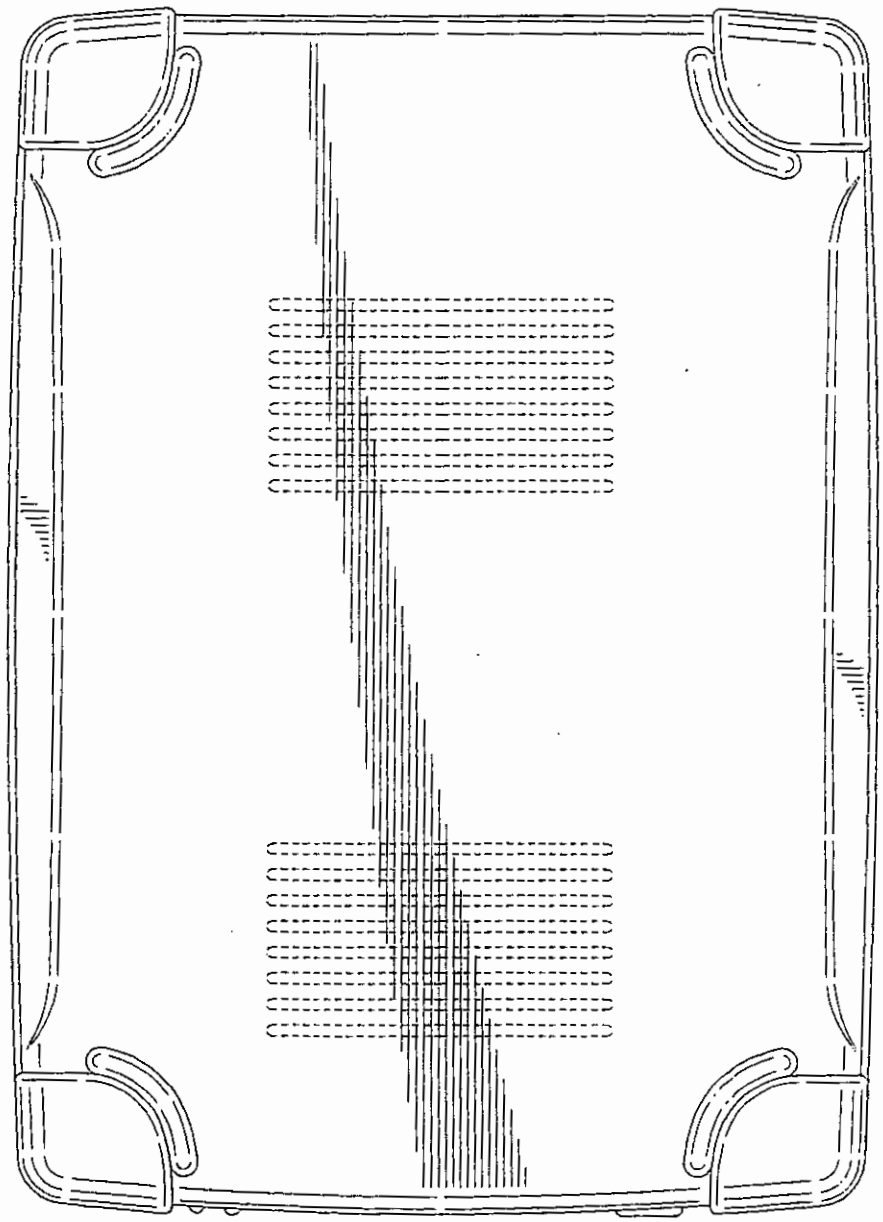


FIG. 25

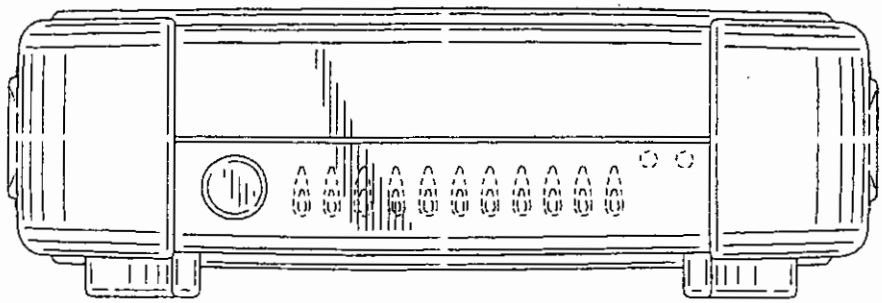


FIG. 26

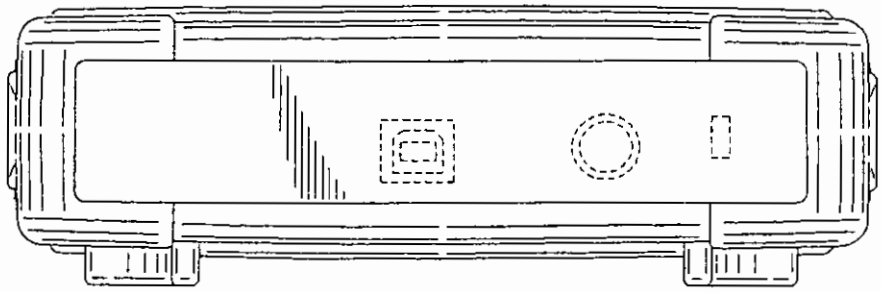


FIG. 27

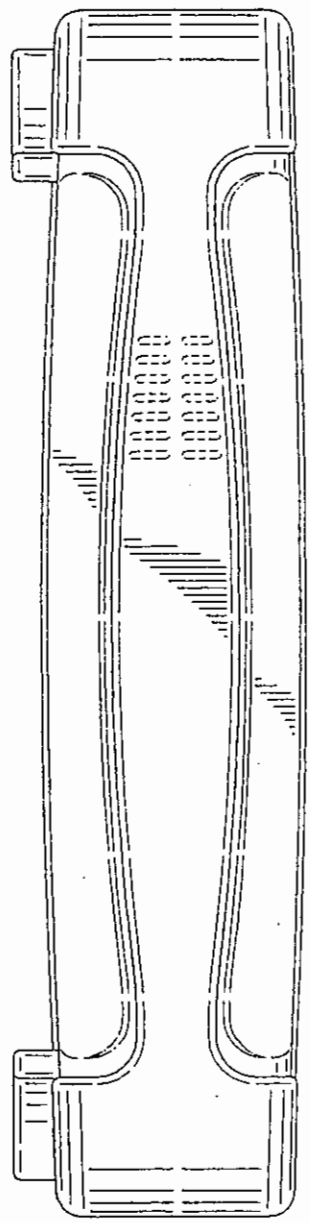


FIG. 28

