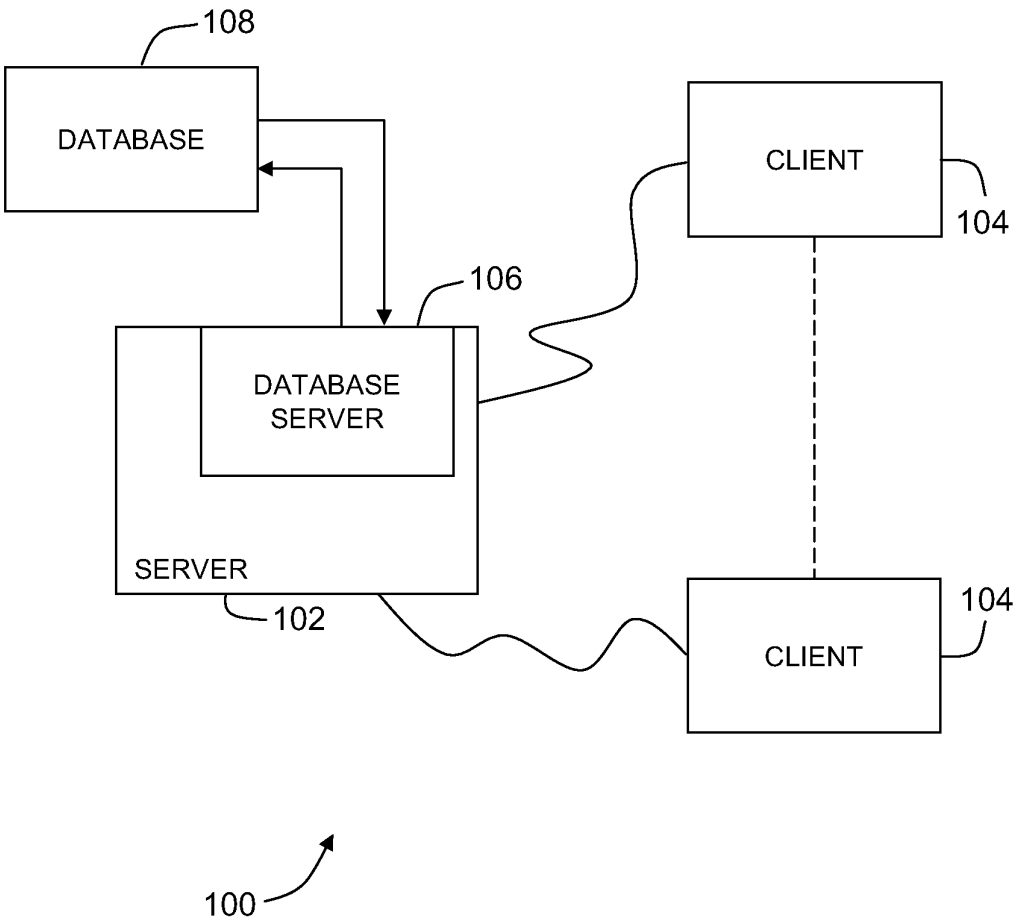

108
DATABASE
CLIENT
104
106
DATABASE
SERVER
SERVER
102
104
CLIENT
100

FIG. 1

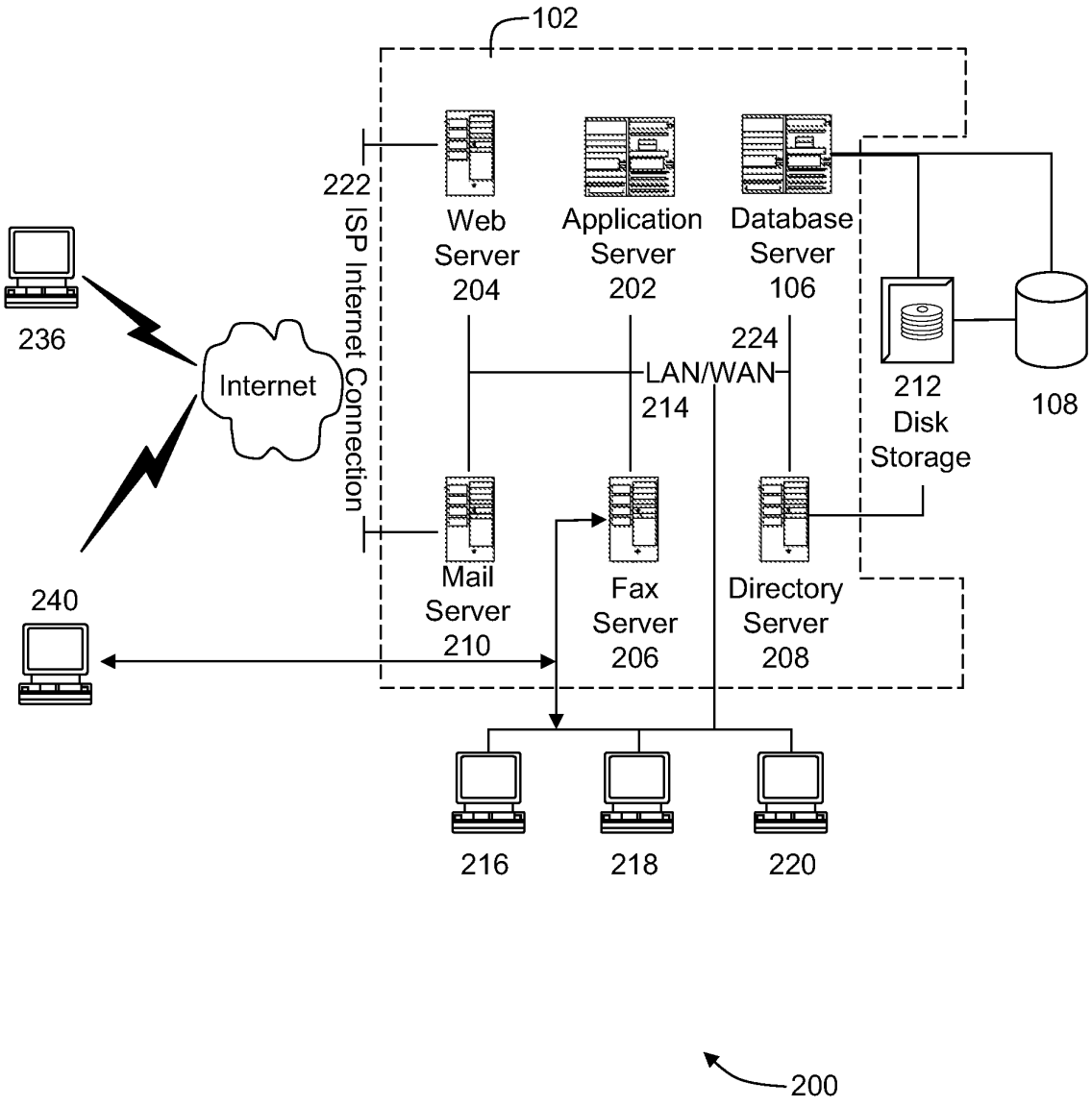

102
222
ISP Internet Connection
Web Server 204
Application Server 202
Database Server 106
236
Internet
224
LAN/WAN 214
212 Disk Storage
108
240
Mail Server 210
Fax Server 206
Directory Server 208
216
218
220
200

FIG. 2

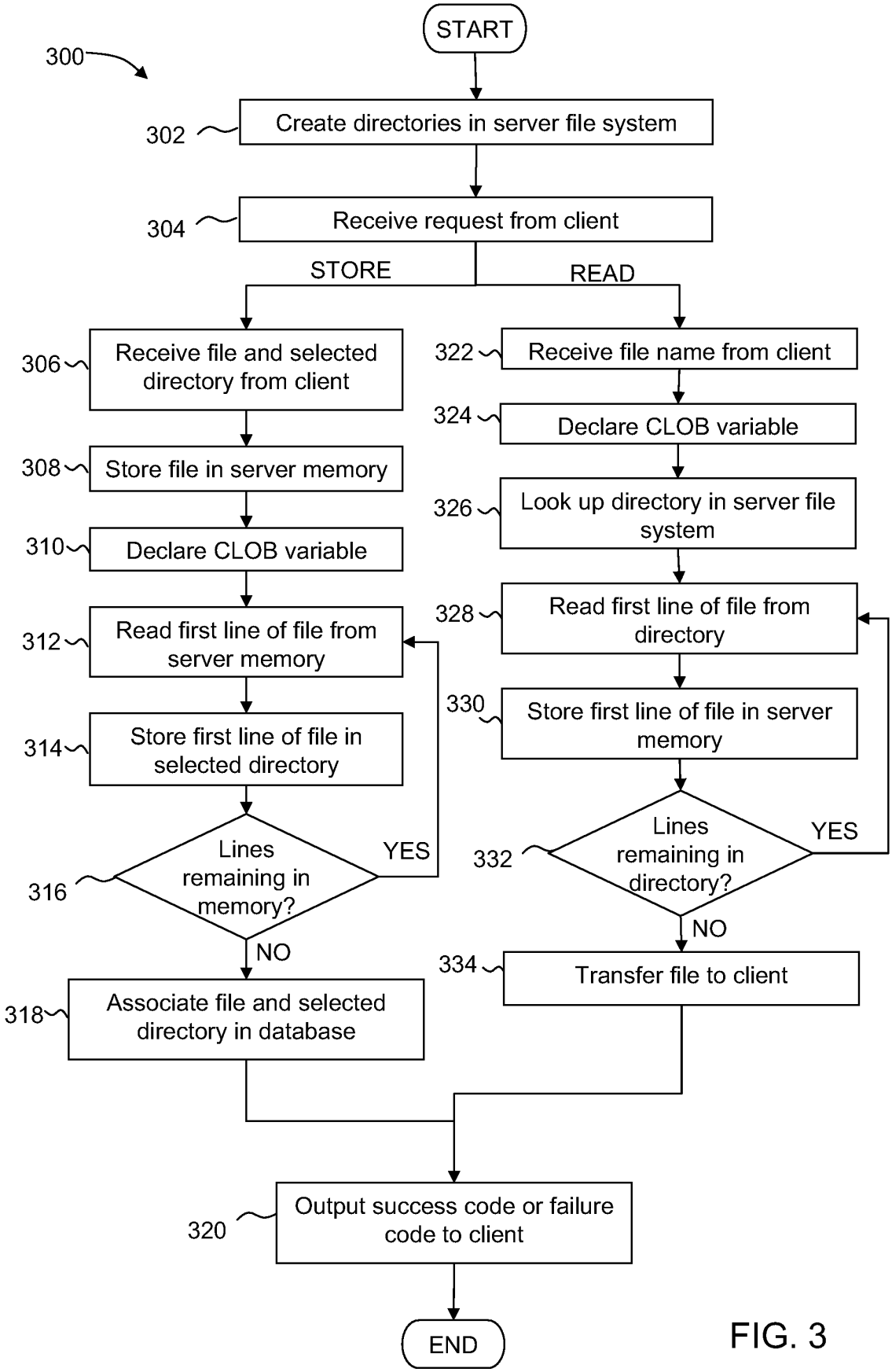

START
300
302
Create directories in server file system
304
Receive request from client
STORE
READ
306
Receive file and selected directory from client
308
Store file in server memory
310
Declare CLOB variable
312
Read first line of file from server memory
314
Store first line of file in selected directory
316
Lines remaining in memory?
YES
NO
318
Associate file and selected directory in database
322
Receive file name from client
324
Declare CLOB variable
326
Look up directory in server file system
328
Read first line of file from directory
330
Store first line of file in server memory
332
Lines remaining in directory?
YES
NO
334
Transfer file to client
320
Output success code or failure code to client
END

FIG. 3