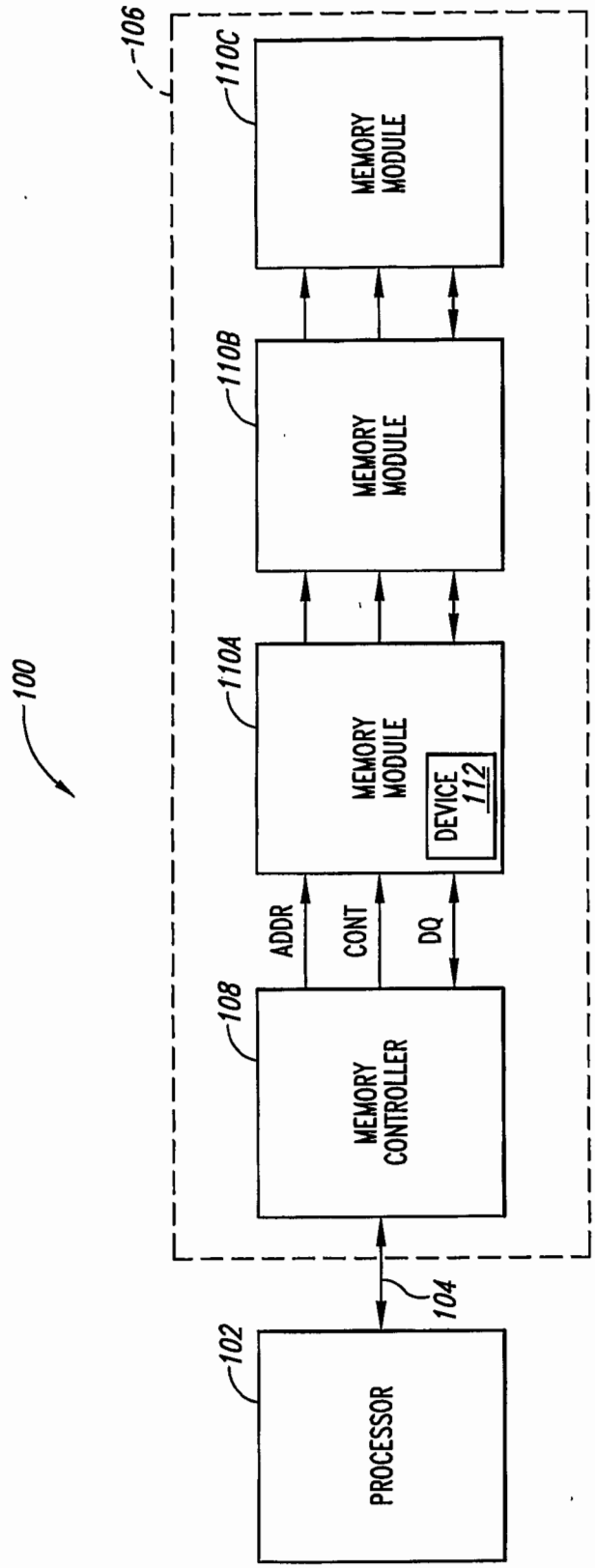


Fig. 1
(Background Art)

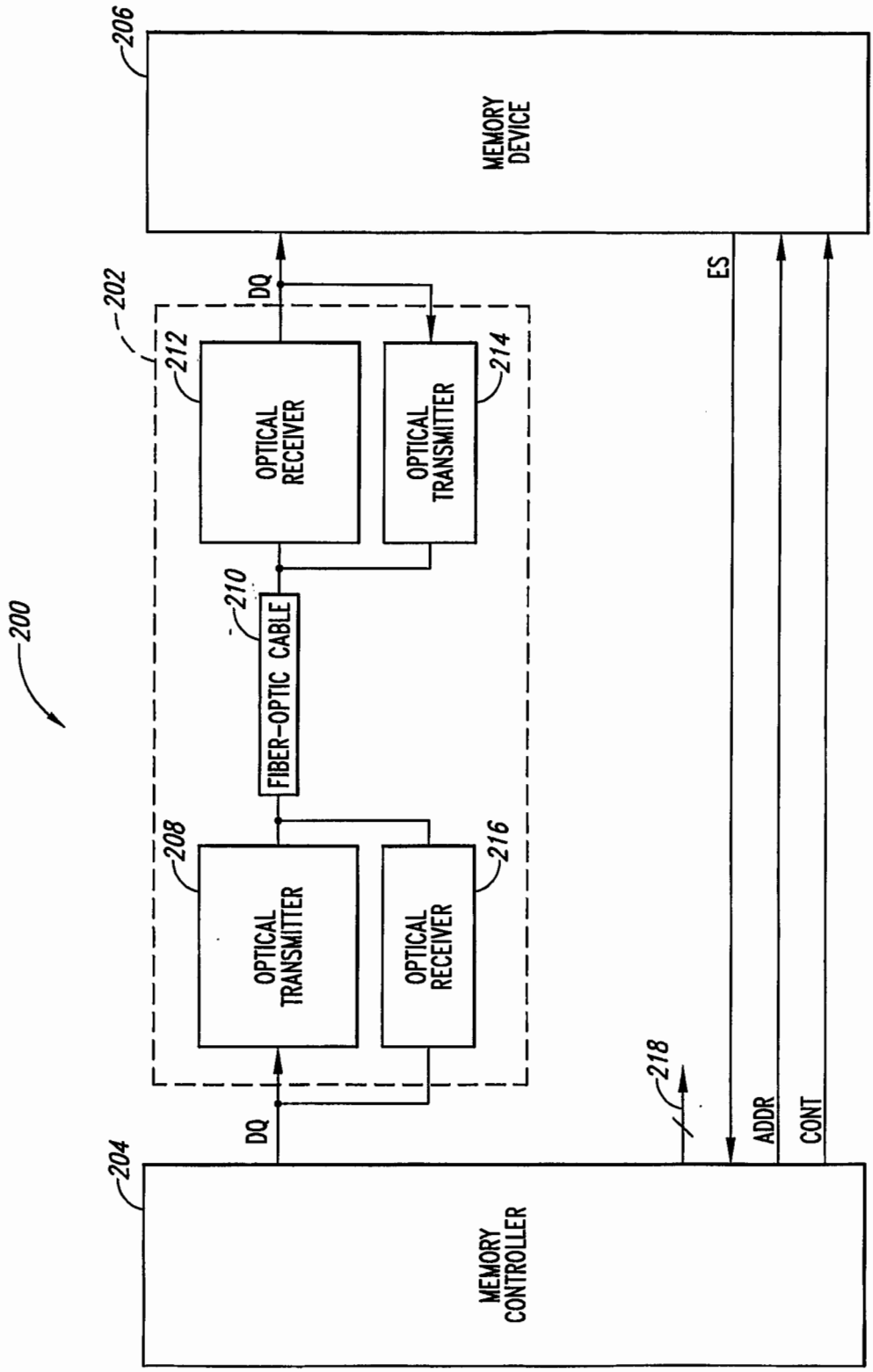

200
206
MEMORY DEVICE
202
DQ
212
OPTICAL RECEIVER
214
OPTICAL TRANSMITTER
210
FIBER-OPTIC CABLE
208
OPTICAL TRANSMITTER
216
OPTICAL RECEIVER
DQ
204
MEMORY CONTROLLER
218
ES
ADDR
CONT

Fig. 2

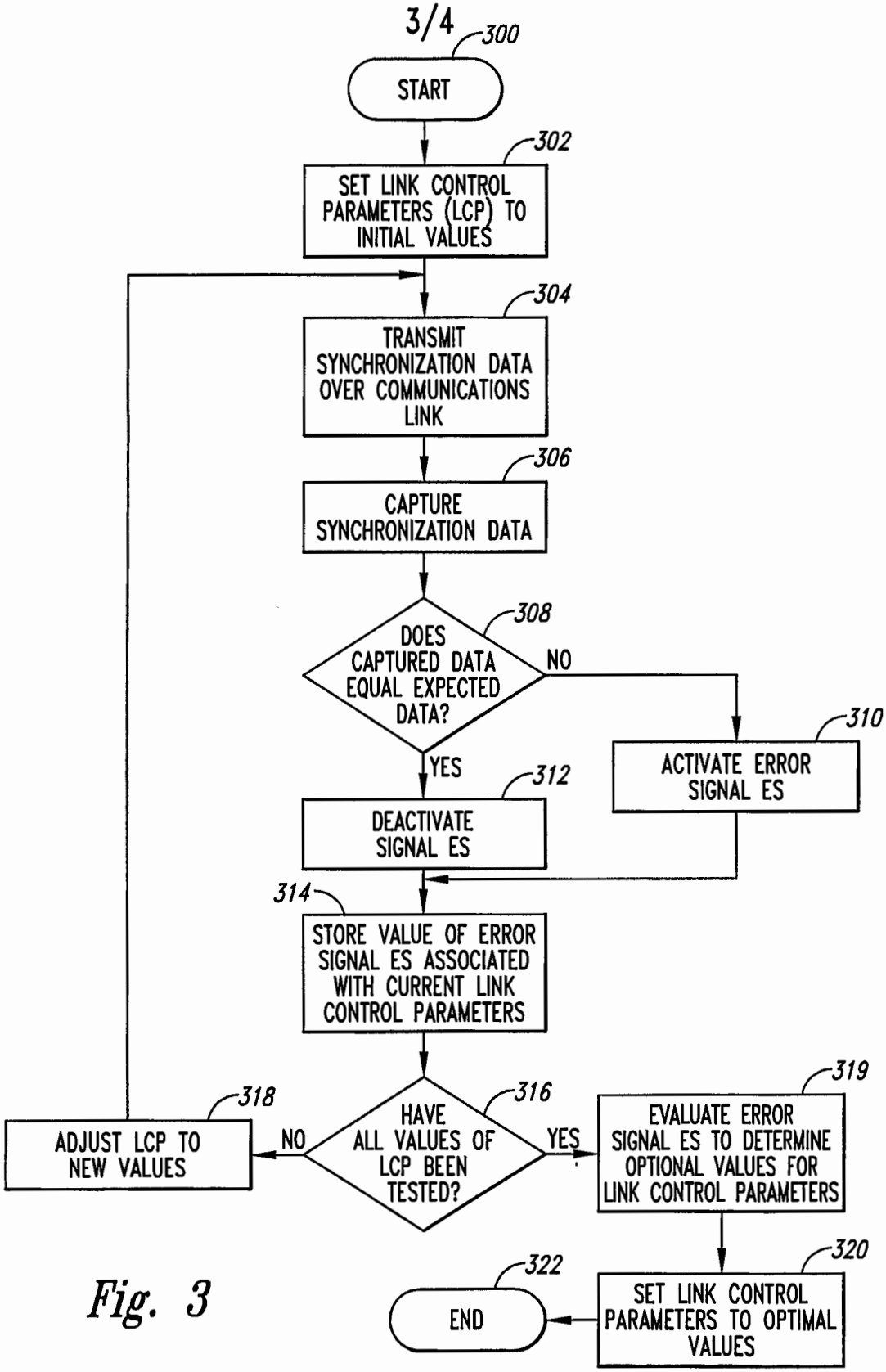

300
START
302
SET LINK CONTROL PARAMETERS (LCP) TO INITIAL VALUES
304
TRANSMIT SYNCHRONIZATION DATA OVER COMMUNICATIONS LINK
306
CAPTURE SYNCHRONIZATION DATA
308
DOES CAPTURED DATA EQUAL EXPECTED DATA?
NO
YES
310
ACTIVATE ERROR SIGNAL ES
312
DEACTIVATE SIGNAL ES
314
STORE VALUE OF ERROR SIGNAL ES ASSOCIATED WITH CURRENT LINK CONTROL PARAMETERS
316
HAVE ALL VALUES OF LCP BEEN TESTED?
NO
YES
318
ADJUST LCP TO NEW VALUES
319
EVALUATE ERROR SIGNAL ES TO DETERMINE OPTIONAL VALUES FOR LINK CONTROL PARAMETERS
320
SET LINK CONTROL PARAMETERS TO OPTIMAL VALUES
322
END

Fig. 3

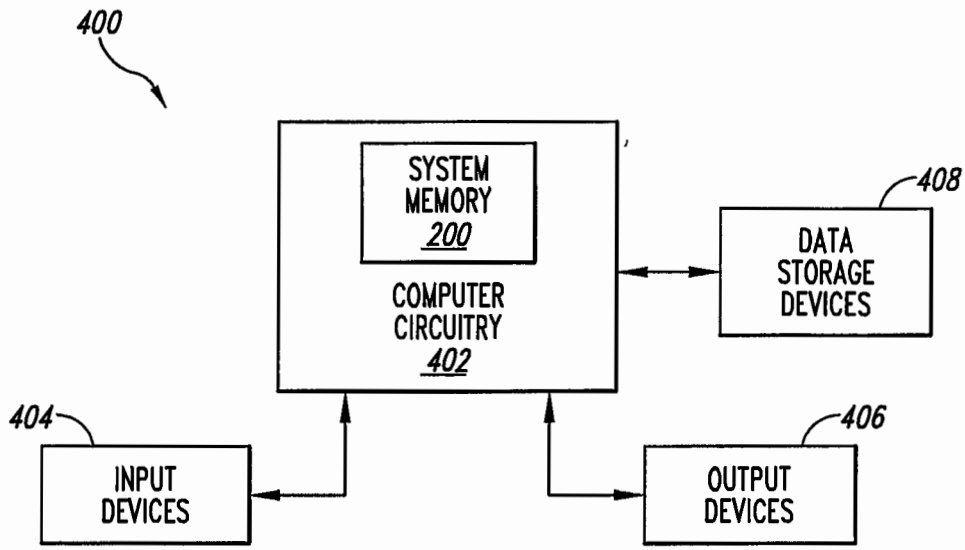

400
SYSTEM MEMORY 200
COMPUTER CIRCUITRY 402
408
DATA STORAGE DEVICES
404
INPUT DEVICES
406
OUTPUT DEVICES

Fig. 4