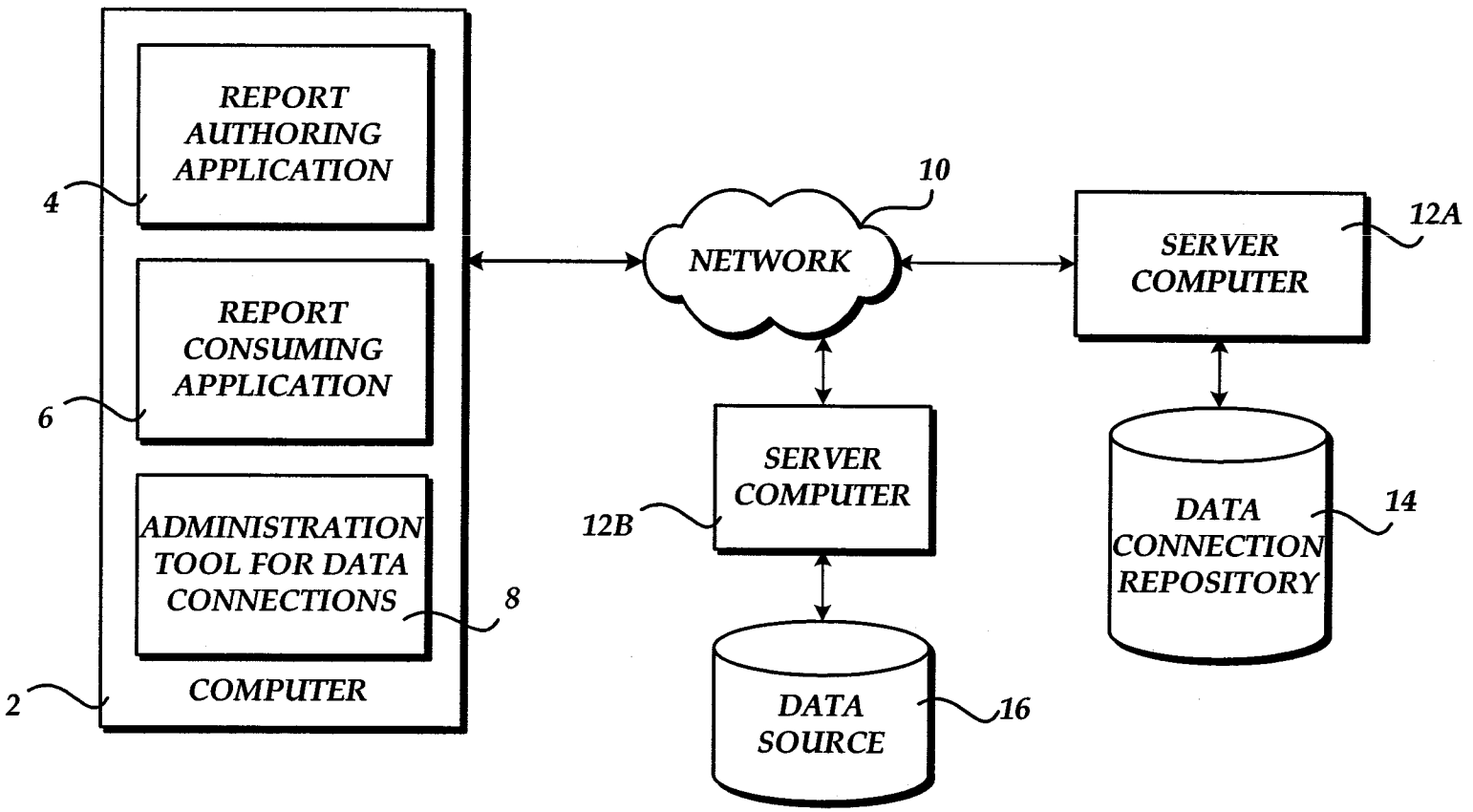

REPORT AUTHORING APPLICATION
4
REPORT CONSUMING APPLICATION
6
ADMINISTRATION TOOL FOR DATA CONNECTIONS
8
COMPUTER
2
10
NETWORK
12A
SERVER COMPUTER
12B
SERVER COMPUTER
DATA CONNECTION REPOSITORY
14
DATA SOURCE
16

Fig.1.

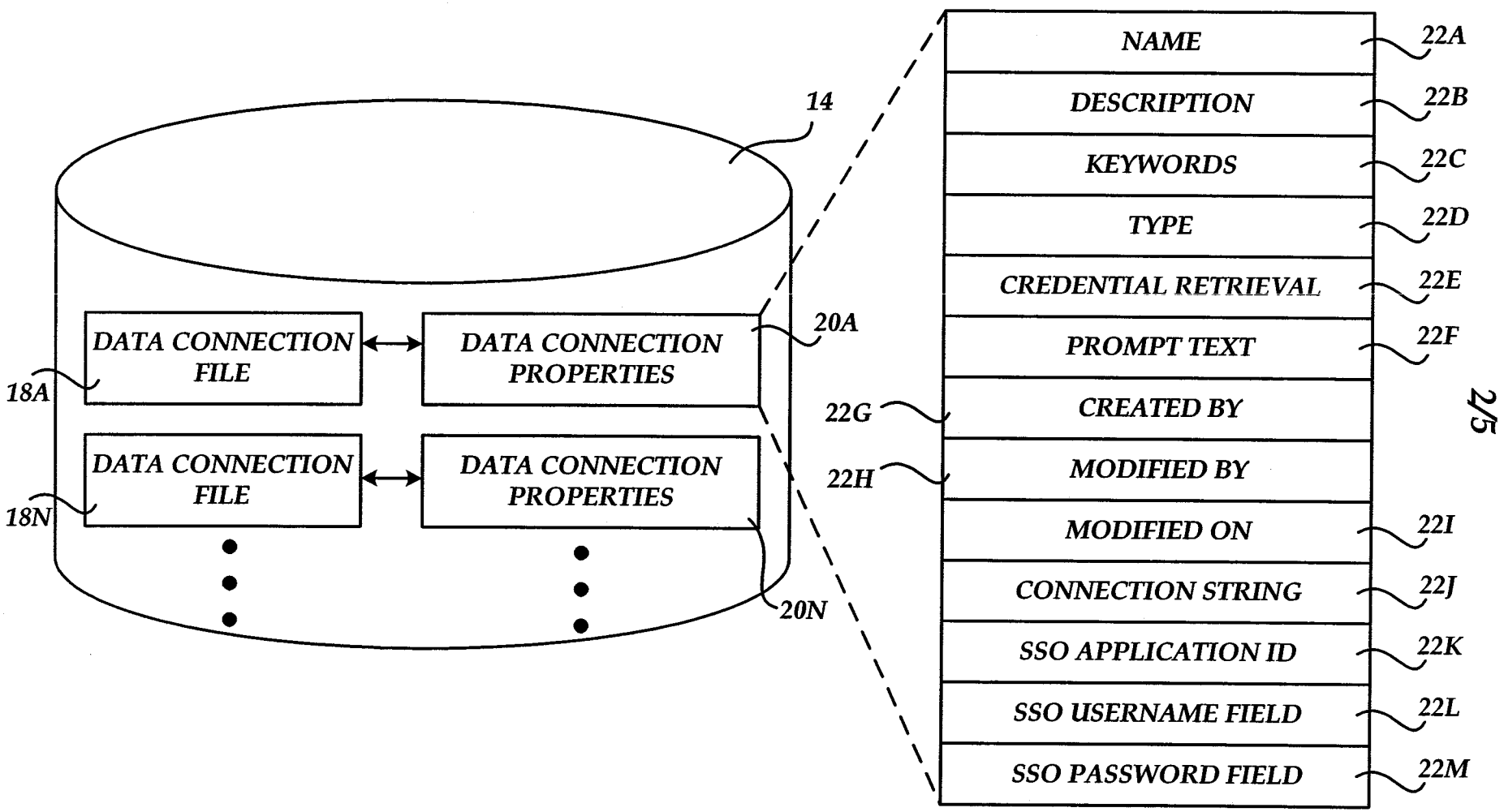

14
DATA CONNECTION FILE
DATA CONNECTION PROPERTIES
18A
20A
DATA CONNECTION FILE
DATA CONNECTION PROPERTIES
18N
20N
NAME
22A
DESCRIPTION
22B
KEYWORDS
22C
TYPE
22D
CREDENTIAL RETRIEVAL
22E
PROMPT TEXT
22F
22G
CREATED BY
22H
MODIFIED BY
MODIFIED ON
22I
CONNECTION STRING
22J
SSO APPLICATION ID
22K
SSO USERNAME FIELD
22L
SSO PASSWORD FIELD
22M

Fig.2.

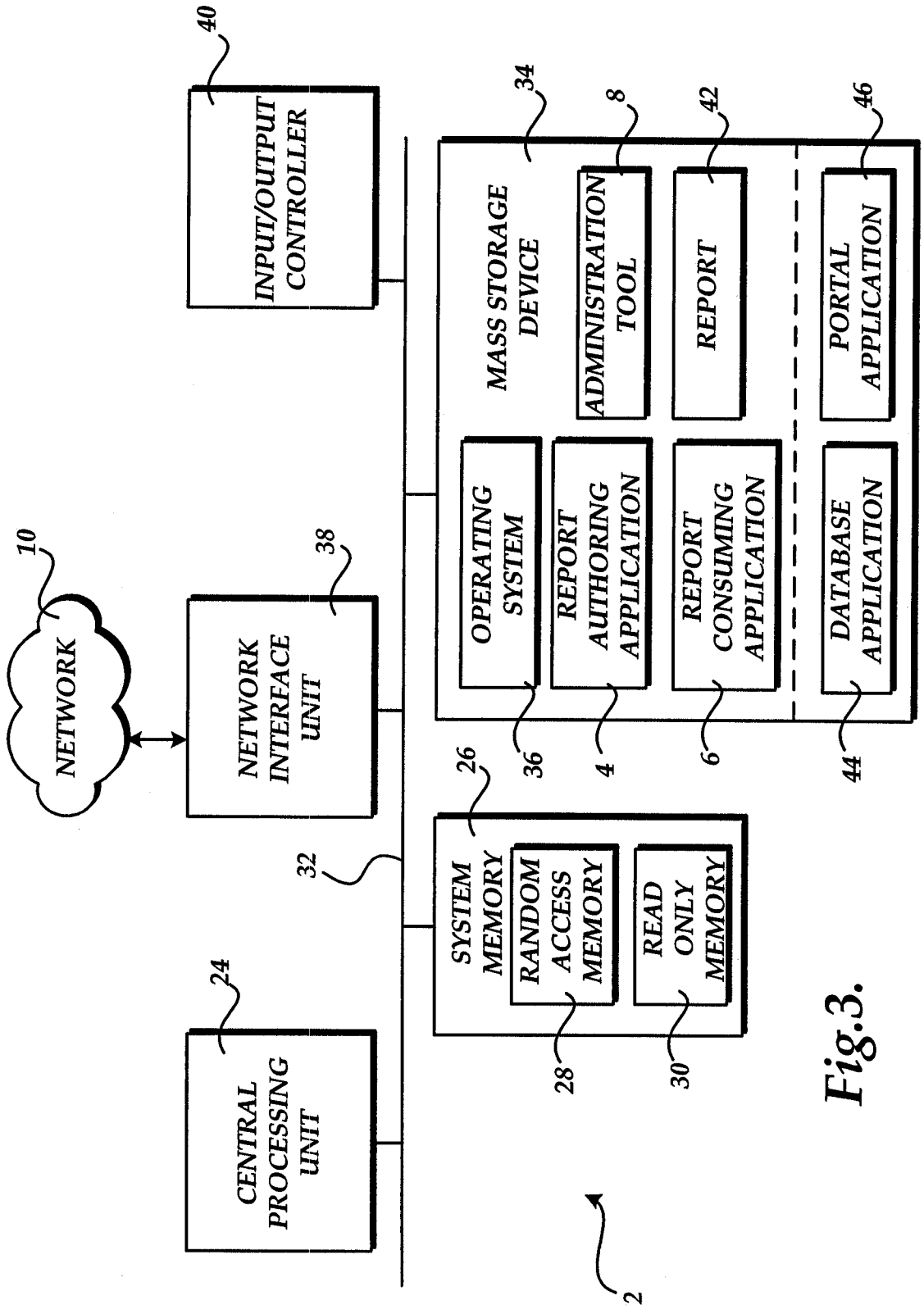

NETWORK
10
NETWORK INTERFACE UNIT
38
INPUT/OUTPUT CONTROLLER
40
MASS STORAGE DEVICE
34
OPERATING SYSTEM
36
REPORT AUTHORING APPLICATION
4
REPORT CONSUMING APPLICATION
6
ADMINISTRATION TOOL
8
REPORT
42
PORTAL APPLICATION
46
DATABASE APPLICATION
44
SYSTEM MEMORY
26
RANDOM ACCESS MEMORY
28
READ ONLY MEMORY
30
CENTRAL PROCESSING UNIT
24
32
2

Fig.3.

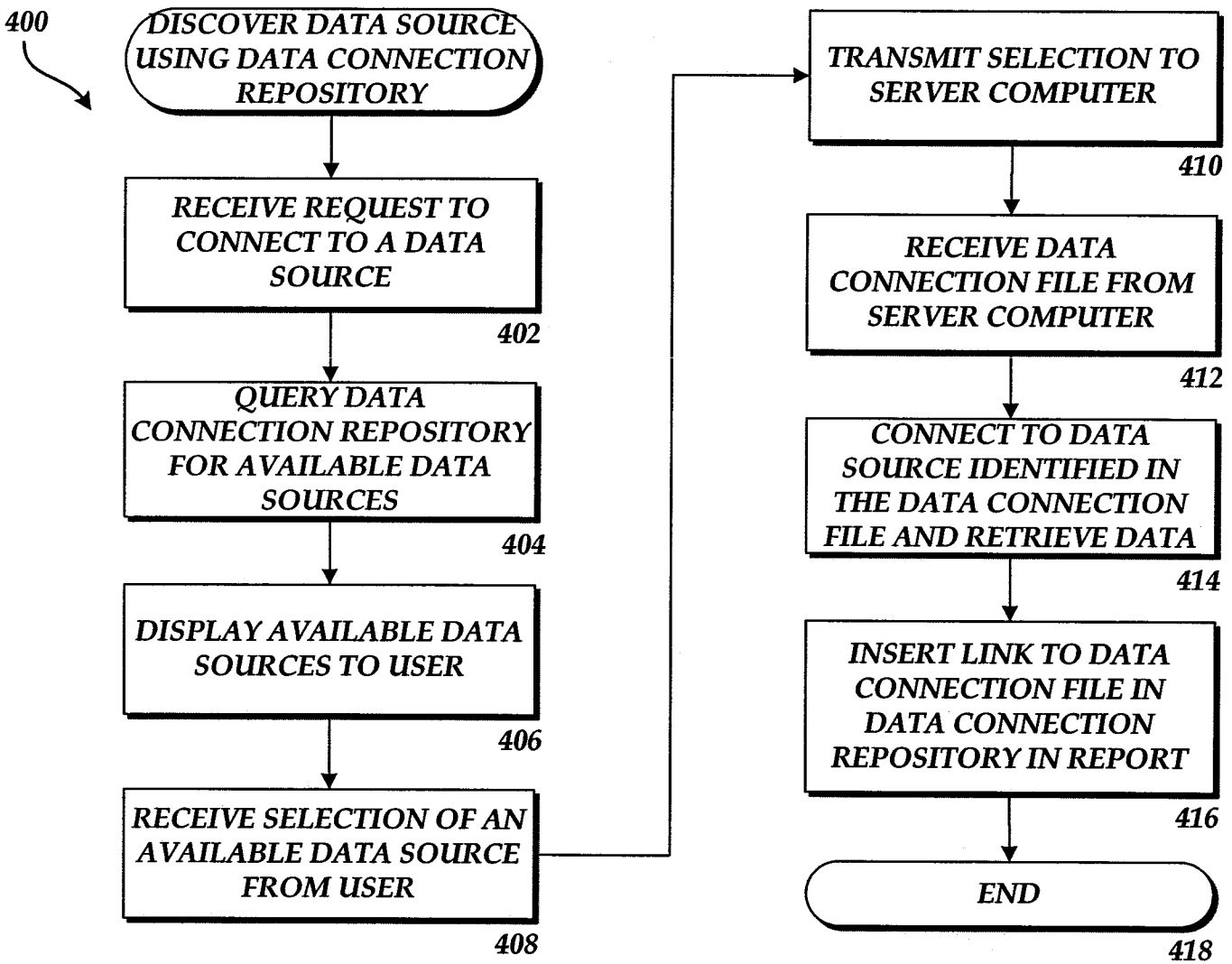

400
DISCOVER DATA SOURCE USING DATA CONNECTION REPOSITORY
RECEIVE REQUEST TO CONNECT TO A DATA SOURCE
402
QUERY DATA CONNECTION REPOSITORY FOR AVAILABLE DATA SOURCES
404
DISPLAY AVAILABLE DATA SOURCES TO USER
406
RECEIVE SELECTION OF AN AVAILABLE DATA SOURCE FROM USER
408
TRANSMIT SELECTION TO SERVER COMPUTER
410
RECEIVE DATA CONNECTION FILE FROM SERVER COMPUTER
412
CONNECT TO DATA SOURCE IDENTIFIED IN THE DATA CONNECTION FILE AND RETRIEVE DATA
414
INSERT LINK TO DATA CONNECTION FILE IN DATA CONNECTION REPOSITORY IN REPORT
416
END
418

Fig.4.

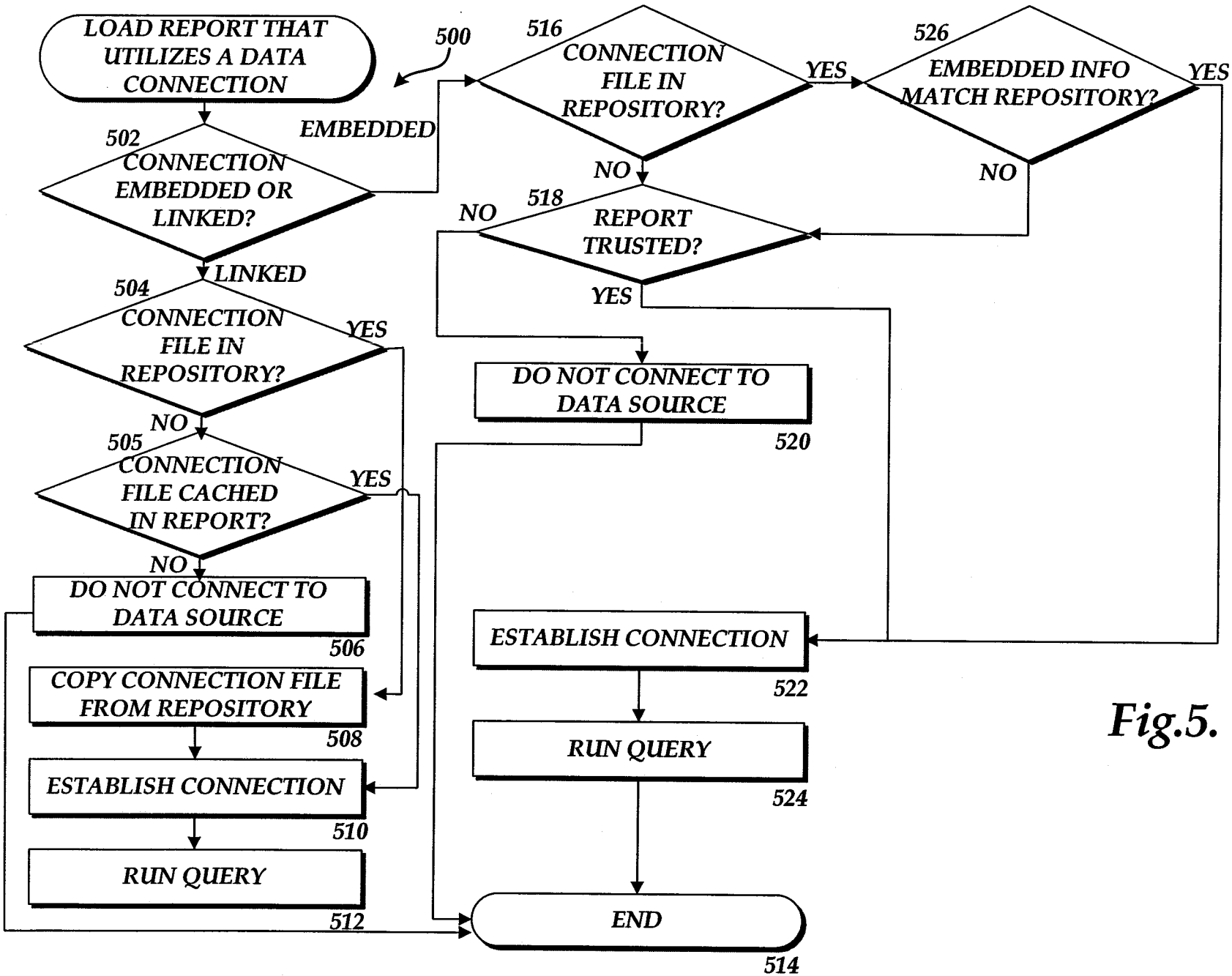

LOAD REPORT THAT UTILIZES A DATA CONNECTION
500
502
CONNECTION EMBEDDED OR LINKED?
EMBEDDED
LINKED
504
CONNECTION FILE IN REPOSITORY?
YES
NO
505
CONNECTION FILE CACHED IN REPORT?
YES
NO
DO NOT CONNECT TO DATA SOURCE
506
COPY CONNECTION FILE FROM REPOSITORY
508
ESTABLISH CONNECTION
510
RUN QUERY
512
END
514
516
CONNECTION FILE IN REPOSITORY?
YES
NO
526
EMBEDDED INFO MATCH REPOSITORY?
YES
NO
518
REPORT TRUSTED?
NO
YES
DO NOT CONNECT TO DATA SOURCE
520
ESTABLISH CONNECTION
522
RUN QUERY
524

Fig.5.