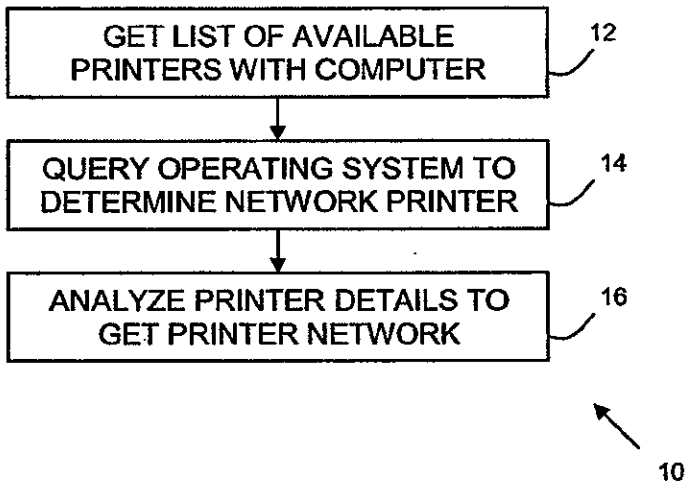
GET LIST OF AVAILABLE PRINTERS WITH COMPUTER
12
QUERY OPERATING SYSTEM TO DETERMINE NETWORK PRINTER
14
ANALYZE PRINTER DETAILS TO GET PRINTER NETWORK
16
10

FIG. 1

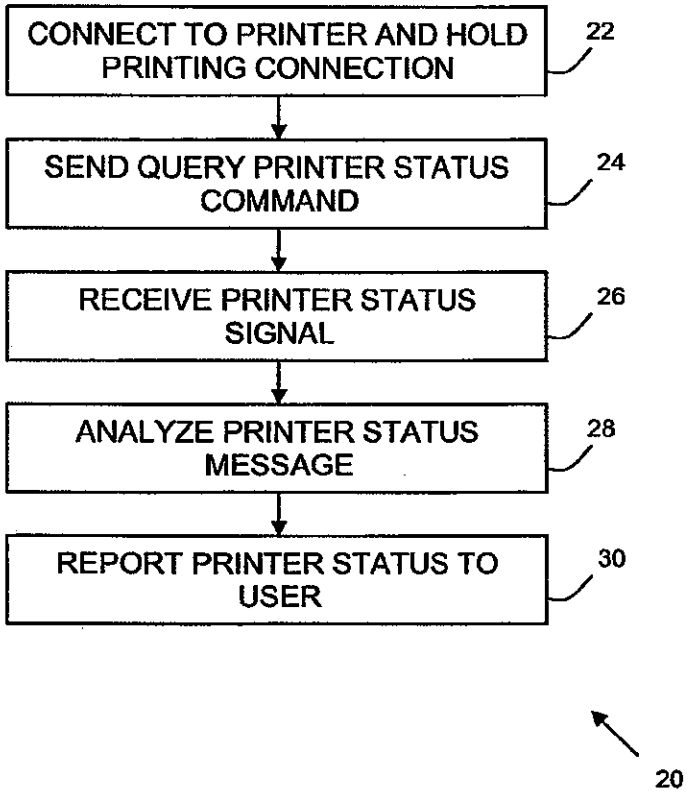
CONNECT TO PRINTER AND HOLD PRINTING CONNECTION
22
SEND QUERY PRINTER STATUS COMMAND
24
RECEIVE PRINTER STATUS SIGNAL
26
ANALYZE PRINTER STATUS MESSAGE
28
REPORT PRINTER STATUS TO USER
30
20

FIG. 2

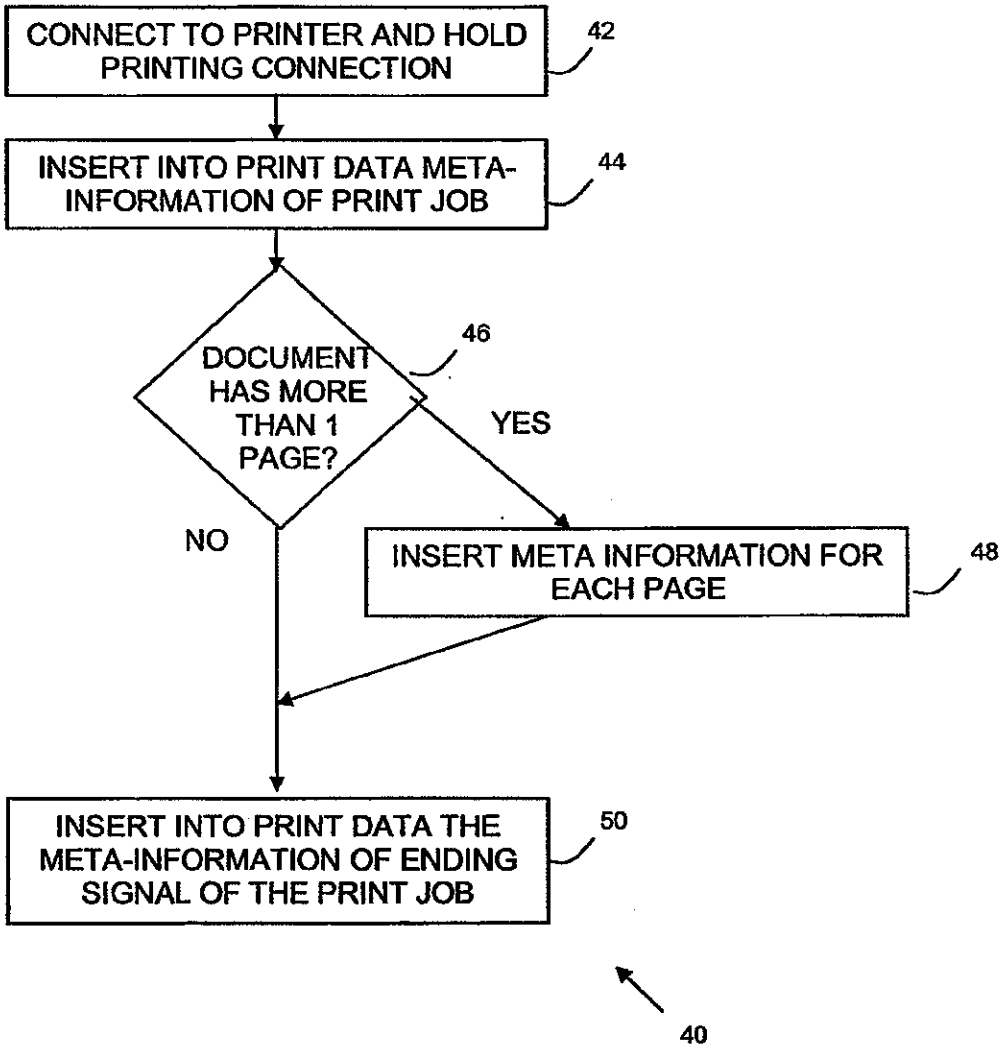
CONNECT TO PRINTER AND HOLD PRINTING CONNECTION
42
INSERT INTO PRINT DATA META-INFORMATION OF PRINT JOB
44
DOCUMENT HAS MORE THAN 1 PAGE?
46
YES
NO
INSERT META INFORMATION FOR EACH PAGE
48
INSERT INTO PRINT DATA THE META-INFORMATION OF ENDING SIGNAL OF THE PRINT JOB
50
40

FIG. 3

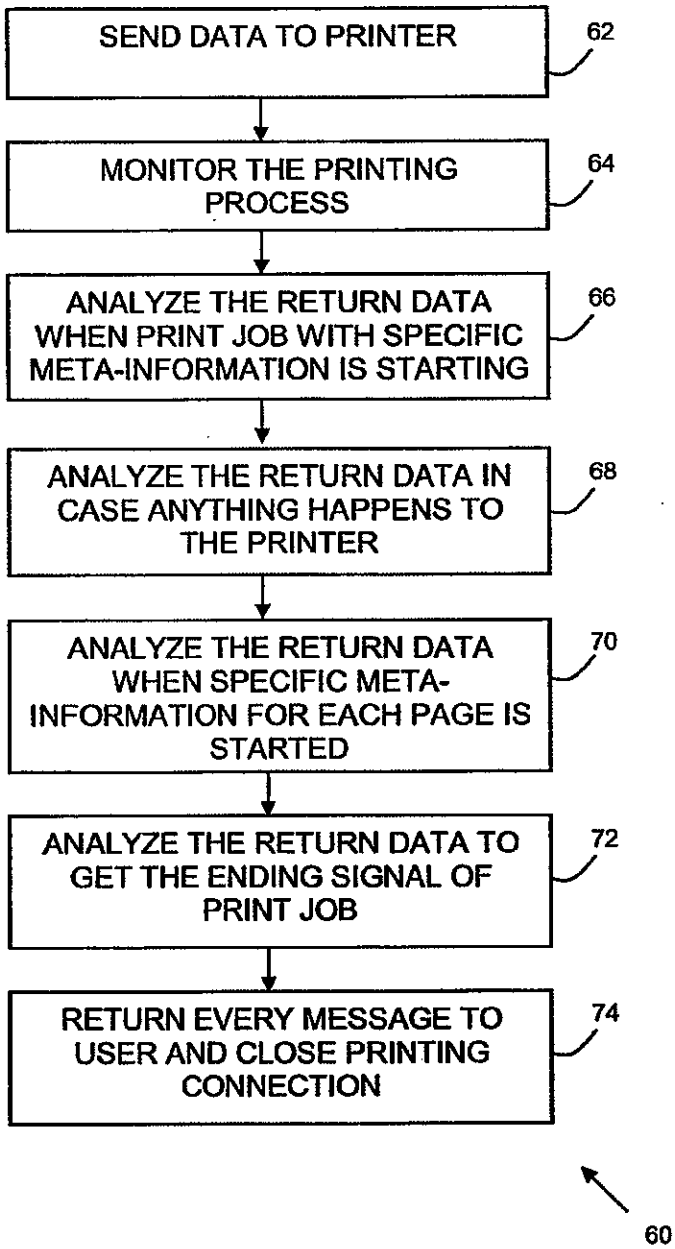
SEND DATA TO PRINTER
62
MONITOR THE PRINTING PROCESS
64
ANALYZE THE RETURN DATA WHEN PRINT JOB WITH SPECIFIC META-INFORMATION IS STARTING
66
ANALYZE THE RETURN DATA IN CASE ANYTHING HAPPENS TO THE PRINTER
68
ANALYZE THE RETURN DATA WHEN SPECIFIC META-INFORMATION FOR EACH PAGE IS STARTED
70
ANALYZE THE RETURN DATA TO GET THE ENDING SIGNAL OF PRINT JOB
72
RETURN EVERY MESSAGE TO USER AND CLOSE PRINTING CONNECTION
74
60

FIG. 4