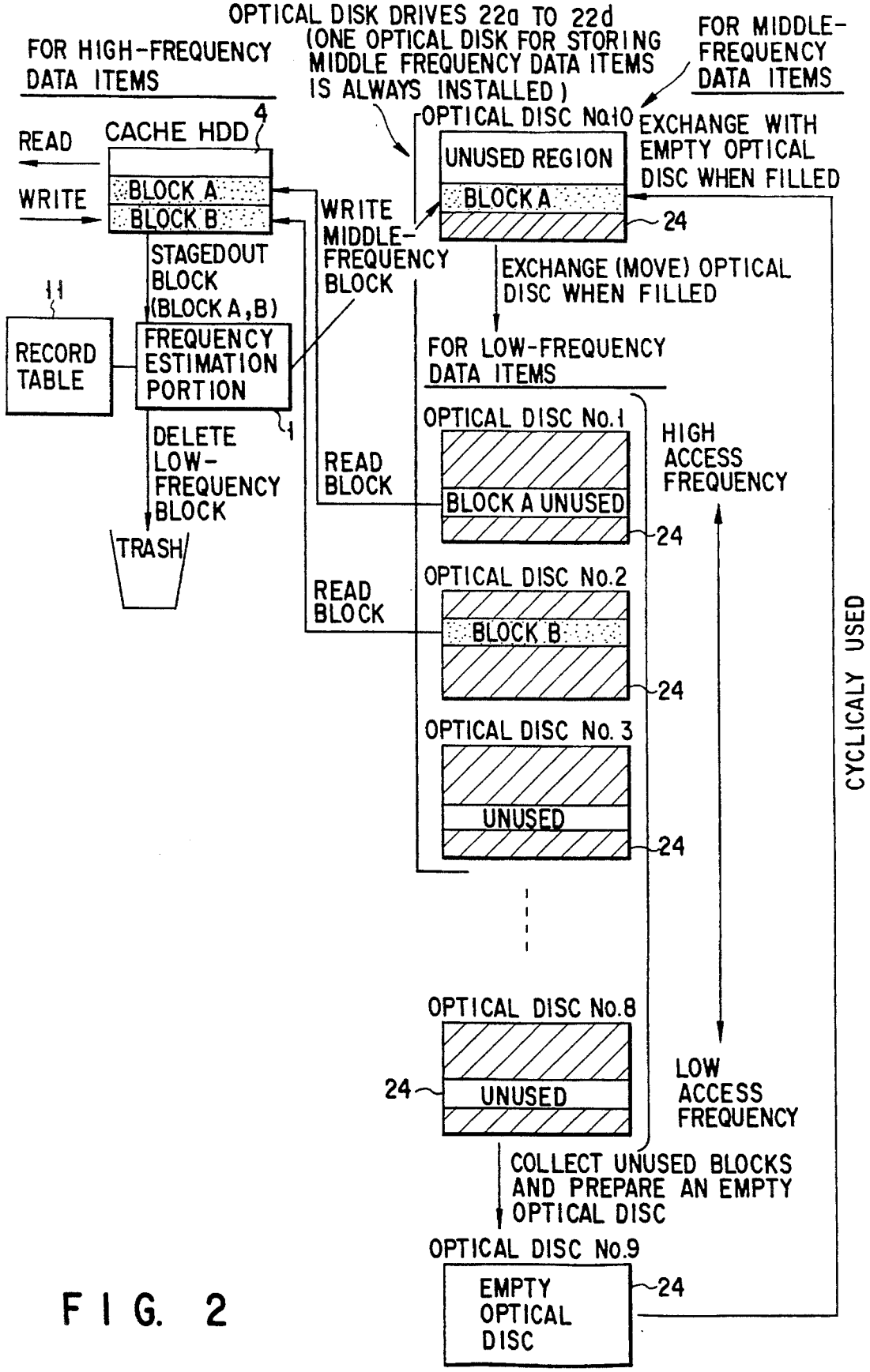
OPTICAL DISK DRIVES 22a TO 22d
(ONE OPTICAL DISK FOR STORING MIDDLE FREQUENCY DATA ITEMS IS ALWAYS INSTALLED)
FOR HIGH-FREQUENCY DATA ITEMS
FOR MIDDLE-FREQUENCY DATA ITEMS
READ
WRITE
CACHE HDD
4
BLOCK A
BLOCK B
OPTICAL DISC No.10
UNUSED REGION
BLOCK A
24
EXCHANGE WITH EMPTY OPTICAL DISC WHEN FILLED
WRITE MIDDLE-FREQUENCY BLOCK
STAGEDOUT BLOCK (BLOCK A,B)
EXCHANGE (MOVE) OPTICAL DISC WHEN FILLED
11
RECORD TABLE
FREQUENCY ESTIMATION PORTION
1
FOR LOW-FREQUENCY DATA ITEMS
DELETE LOW-FREQUENCY BLOCK
TRASH
OPTICAL DISC No.1
HIGH ACCESS FREQUENCY
READ BLOCK
BLOCK A UNUSED
24
OPTICAL DISC No.2
READ BLOCK
BLOCK B
24
OPTICAL DISC No. 3
UNUSED
24
CYCLICALY USED
OPTICAL DISC No.8
24
UNUSED
LOW ACCESS FREQUENCY
COLLECT UNUSED BLOCKS AND PREPARE AN EMPTY OPTICAL DISC
OPTICAL DISC No.9
EMPTY OPTICAL DISC
24

FIG. 2