# FIG. 1

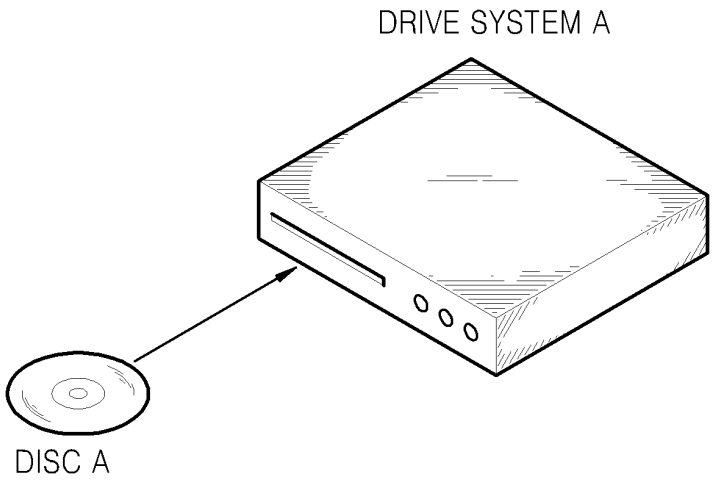


FIG. 2

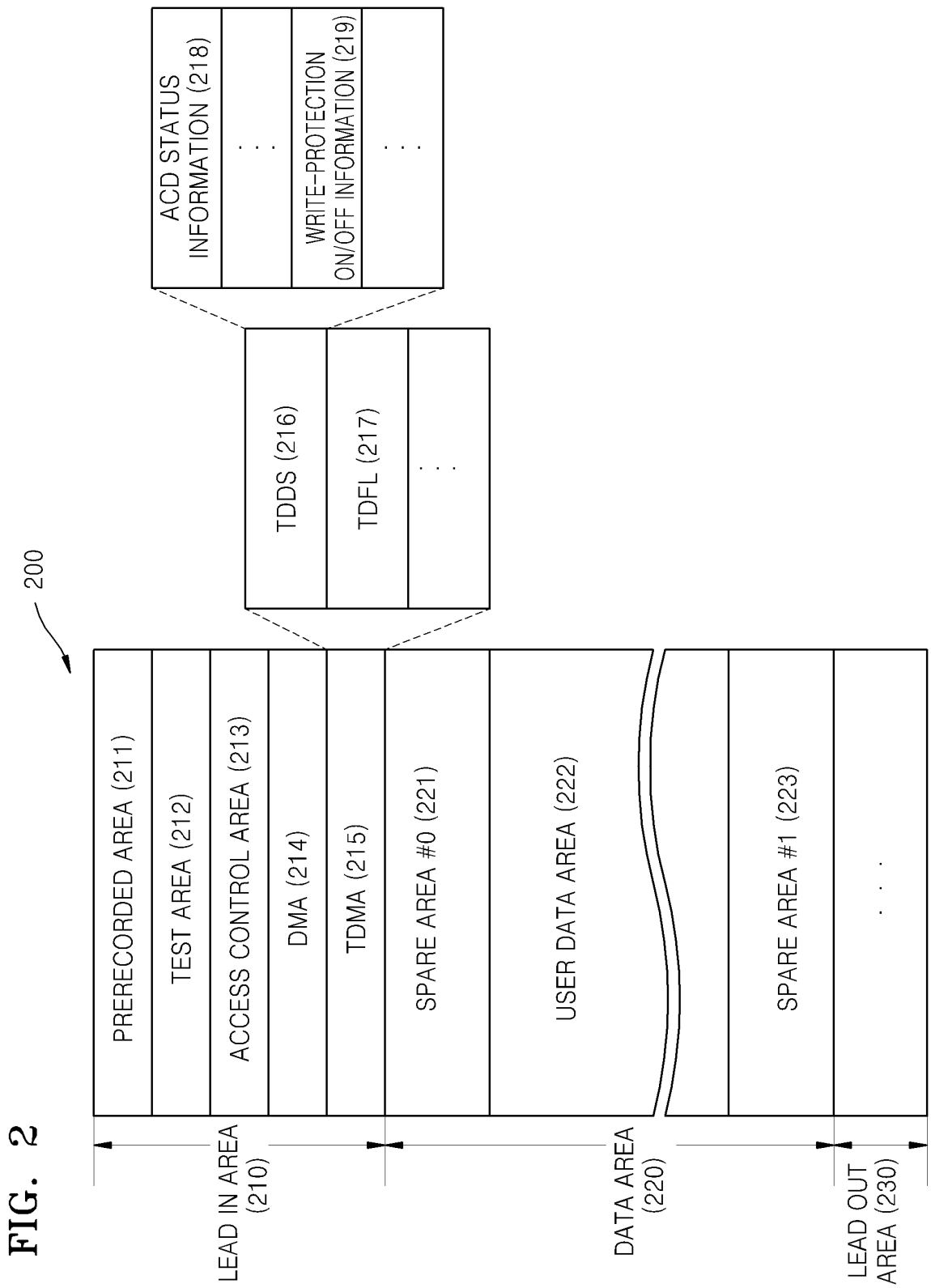

200
PRERECORDED AREA (211)
TEST AREA (212)
ACCESS CONTROL AREA (213)
DMA (214)
TDMA (215)
SPARE AREA #0 (221)
USER DATA AREA (222)
SPARE AREA #1 (223)
TDDS (216)
TDFL (217)
ACD STATUS INFORMATION (218)
WRITE-PROTECTION ON/OFF INFORMATION (219)
LEAD IN AREA (210)
DATA AREA (220)
LEAD OUT AREA (230)

FIG. 3

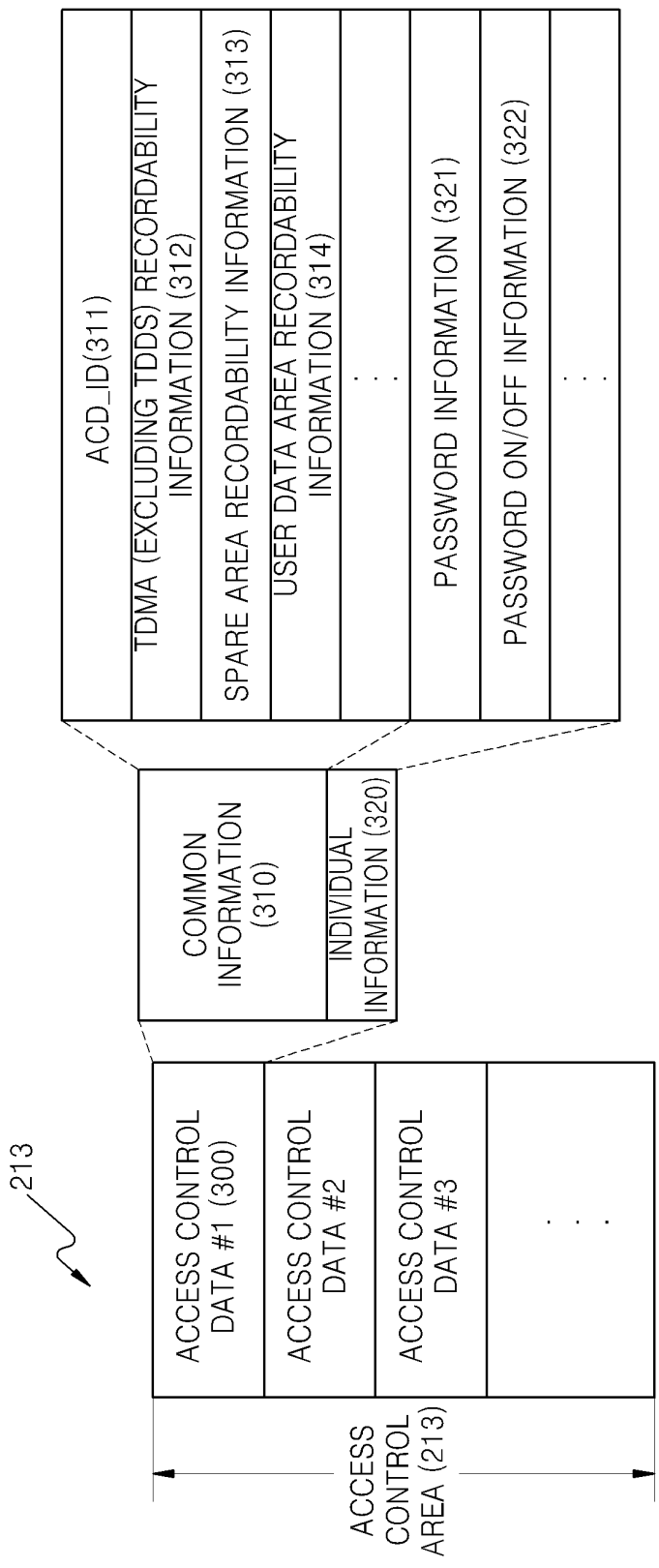

213
ACCESS CONTROL AREA (213)
ACCESS CONTROL DATA #1 (300)
ACCESS CONTROL DATA #2
ACCESS CONTROL DATA #3
COMMON INFORMATION (310)
INDIVIDUAL INFORMATION (320)
ACD_ID(311)
TDMA (EXCLUDING TDDS) RECORDABILITY INFORMATION (312)
SPARE AREA RECORDABILITY INFORMATION (313)
USER DATA AREA RECORDABILITY INFORMATION (314)
PASSWORD INFORMATION (321)
PASSWORD ON/OFF INFORMATION (322)

FIG. 4

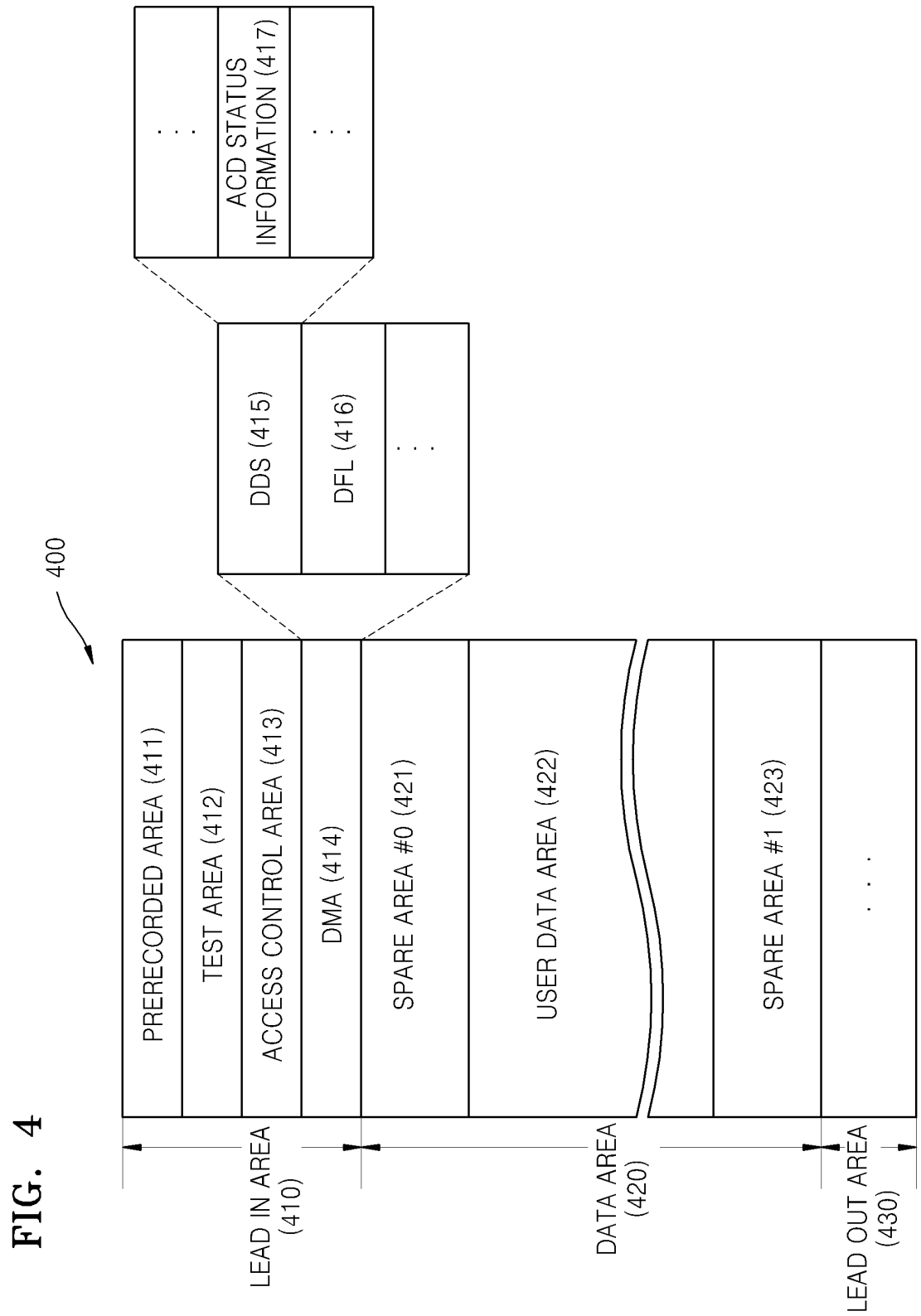

400
PRERECORDED AREA (411)
TEST AREA (412)
ACCESS CONTROL AREA (413)
DMA (414)
SPARE AREA #0 (421)
USER DATA AREA (422)
SPARE AREA #1 (423)
LEAD IN AREA (410)
DATA AREA (420)
LEAD OUT AREA (430)
DDS (415)
DFL (416)
ACD STATUS INFORMATION (417)

FIG. 5

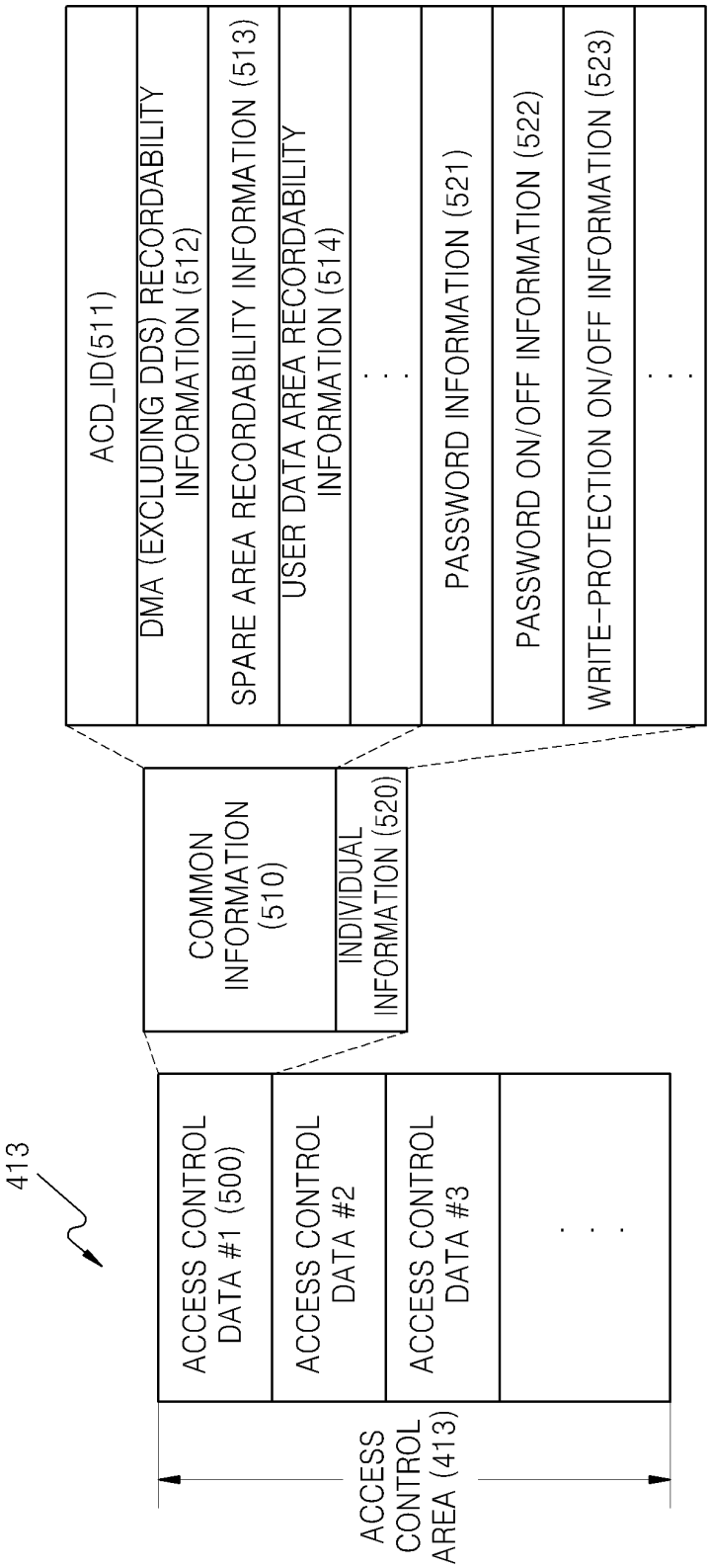

413
ACCESS CONTROL AREA (413)
ACCESS CONTROL DATA #1 (500)
ACCESS CONTROL DATA #2
ACCESS CONTROL DATA #3
COMMON INFORMATION (510)
INDIVIDUAL INFORMATION (520)
ACD_ID(511)
DMA (EXCLUDING DDS) RECORDABILITY INFORMATION (512)
SPARE AREA RECORDABILITY INFORMATION (513)
USER DATA AREA RECORDABILITY INFORMATION (514)
PASSWORD INFORMATION (521)
PASSWORD ON/OFF INFORMATION (522)
WRITE-PROTECTION ON/OFF INFORMATION (523)

FIG. 6

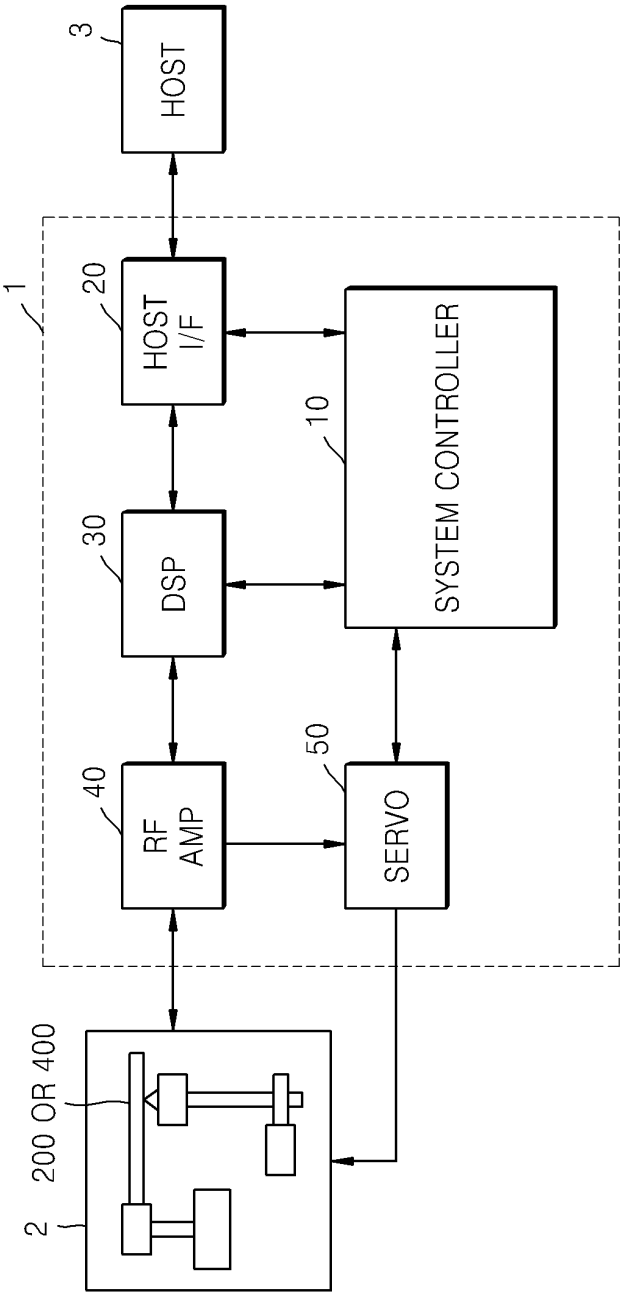
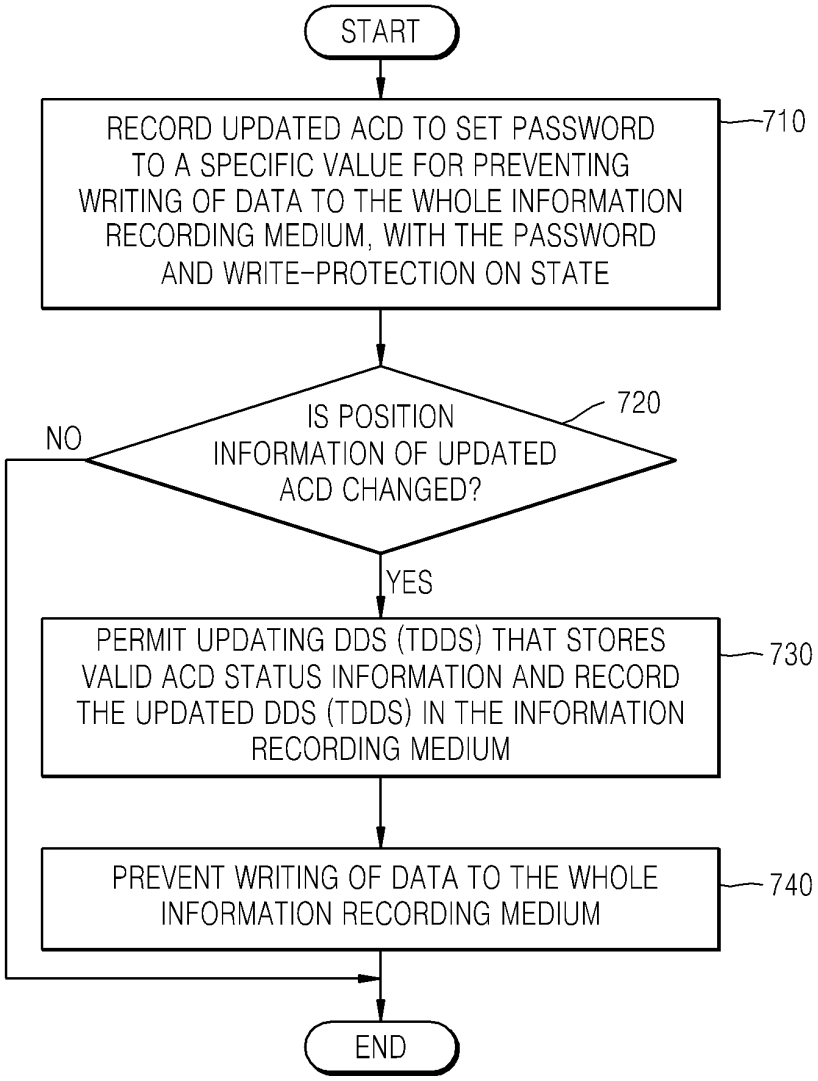

3
HOST
1
20
HOST I/F
10
SYSTEM CONTROLLER
30
DSP
40
RF AMP
50
SERVO
2
200 OR 400

FIG. 7


START
RECORD UPDATED ACD TO SET PASSWORD TO A SPECIFIC VALUE FOR PREVENTING WRITING OF DATA TO THE WHOLE INFORMATION RECORDING MEDIUM, WITH THE PASSWORD AND WRITE-PROTECTION ON STATE
710
IS POSITION INFORMATION OF UPDATED ACD CHANGED?
720
NO
YES
PERMIT UPDATING DDS (TDDS) THAT STORES VALID ACD STATUS INFORMATION AND RECORD THE UPDATED DDS (TDDS) IN THE INFORMATION RECORDING MEDIUM
730
PREVENT WRITING OF DATA TO THE WHOLE INFORMATION RECORDING MEDIUM
740
END