

FIG. 1

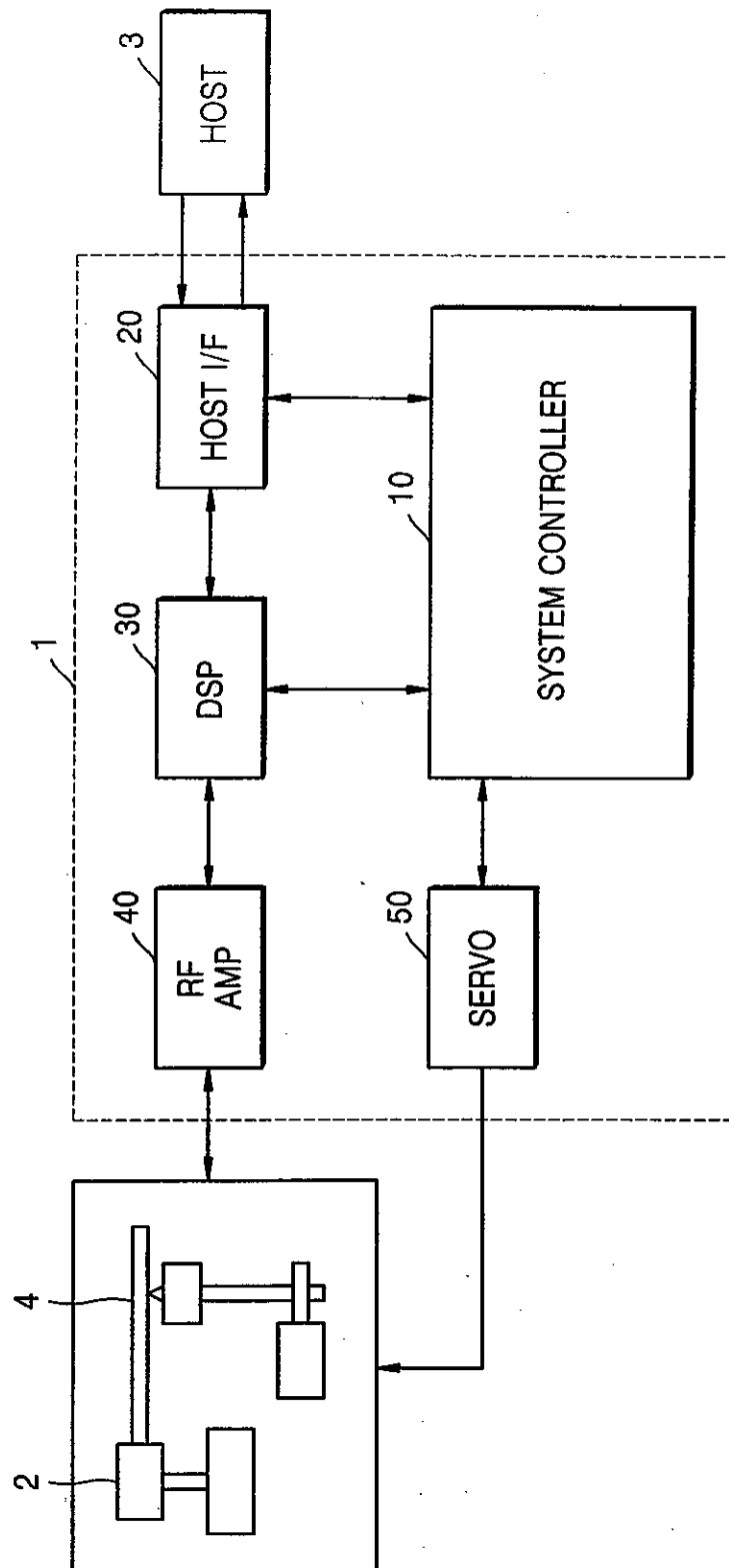


FIG. 2

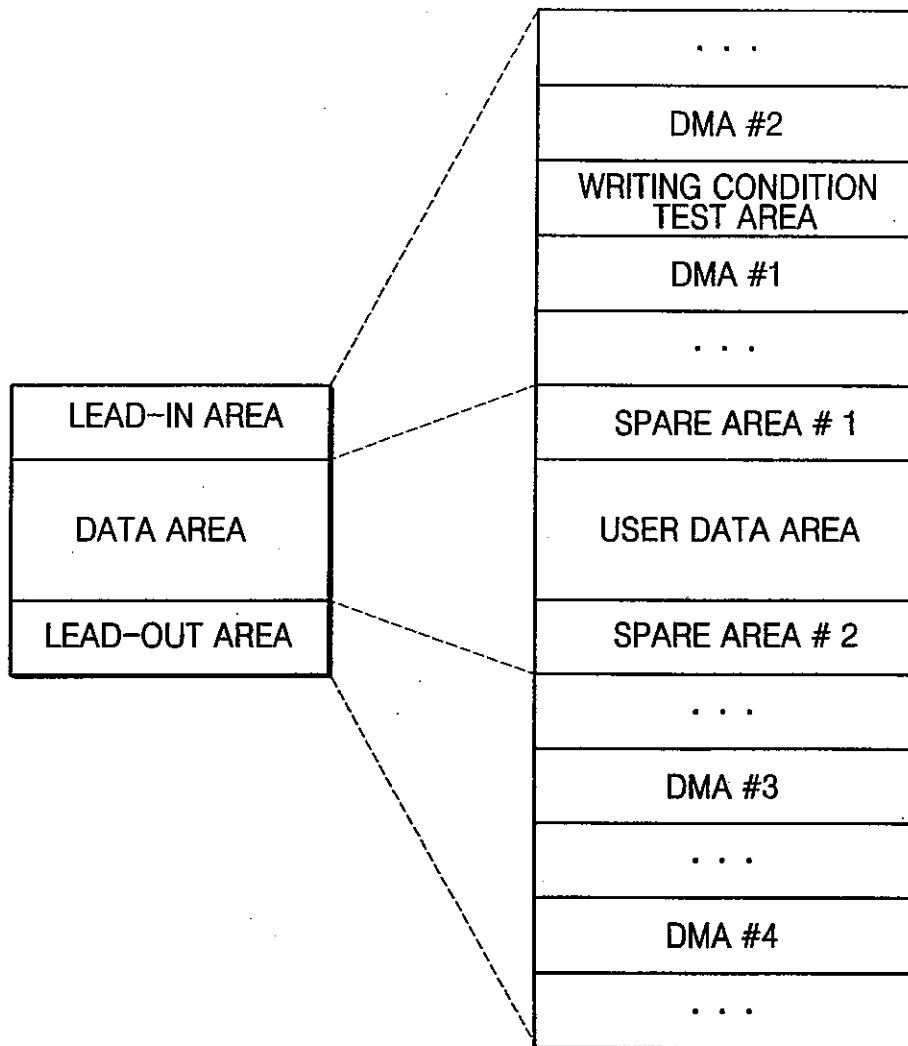


FIG. 3

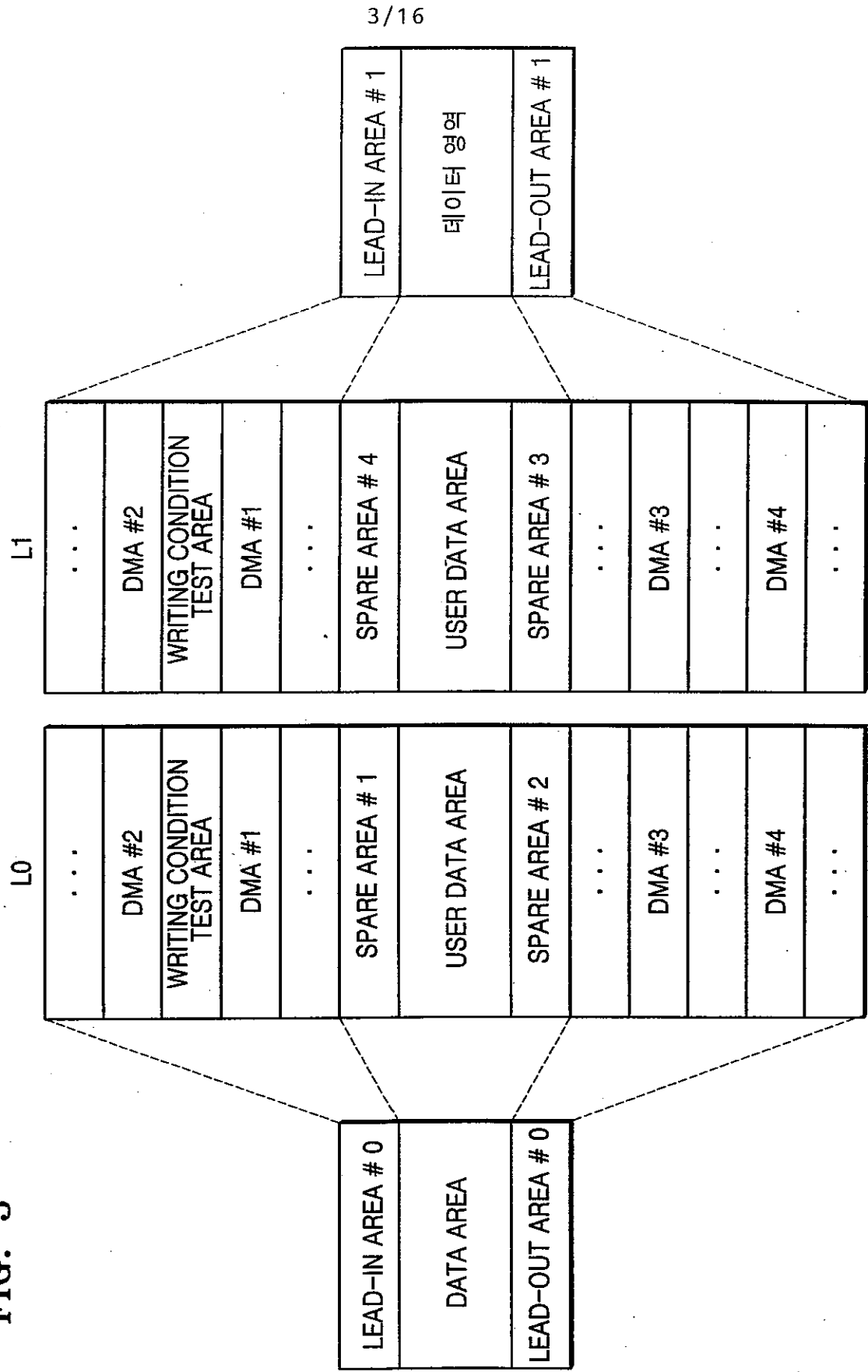


FIG. 4

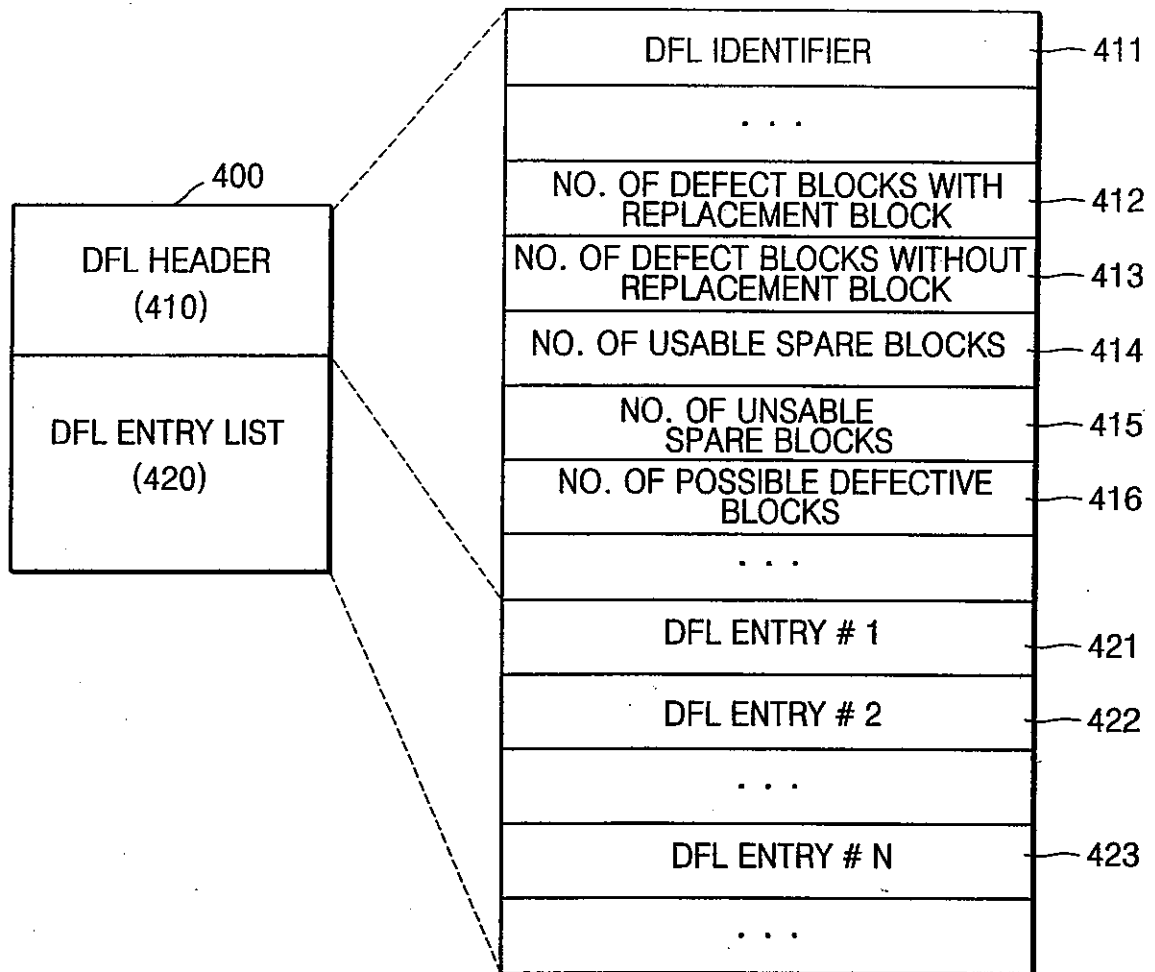


FIG. 5

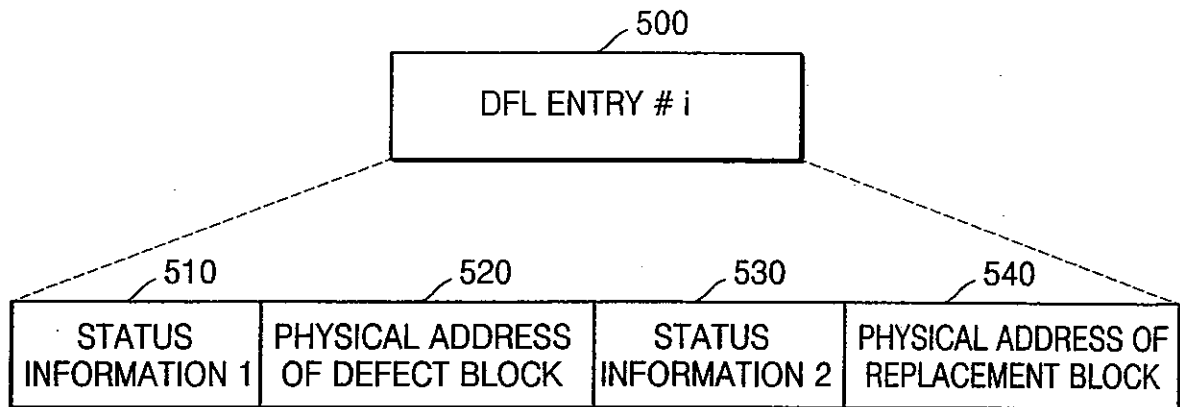


FIG. 6

STATUS INFORMATION	510
"1"	
"2"	
"3"	
"4"	
"5"	

FIG. 7A

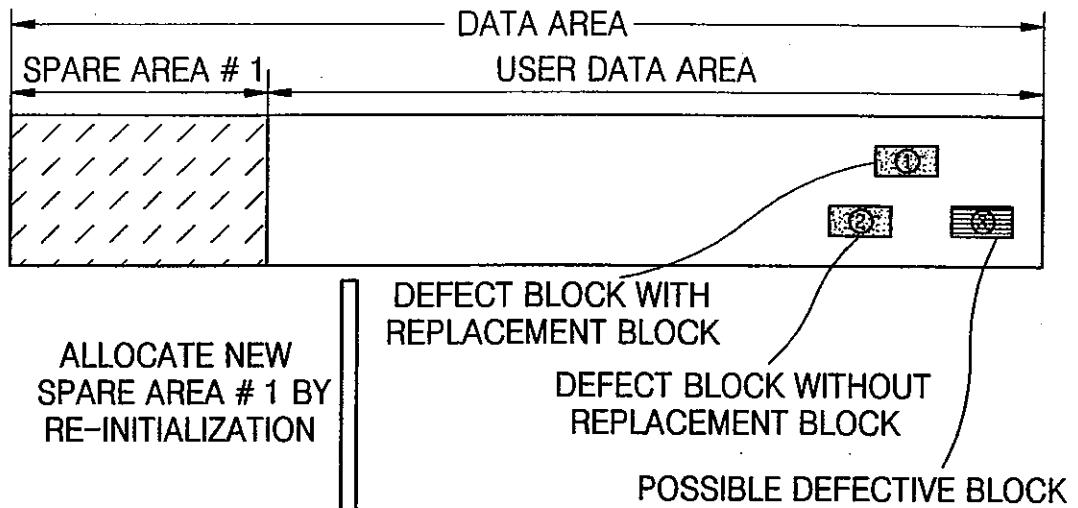


FIG. 7B

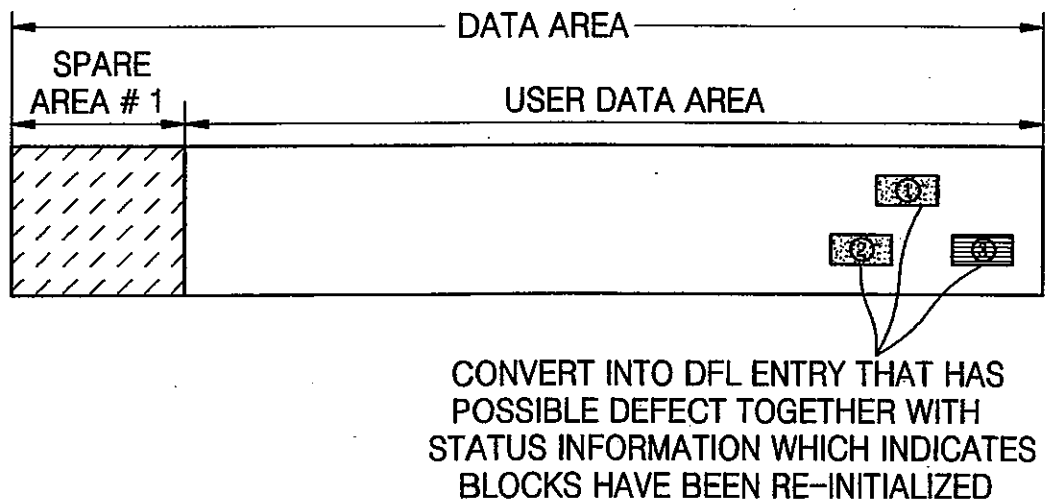


FIG. 8A

DFL ENTRY BEFORE RE-INITIALIZATION

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
1	0010000h	0	...
2	0010100h	0	...
3	0010110h	0	...
...	...	...	...

**FIG. 8B**

DFL ENTRY AFTER RE-INITIALIZATION

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
3	0010000h	1	...
3	0010100h	1	...
3	0010110h	1	...
...	...	...	...

FIG. 9A

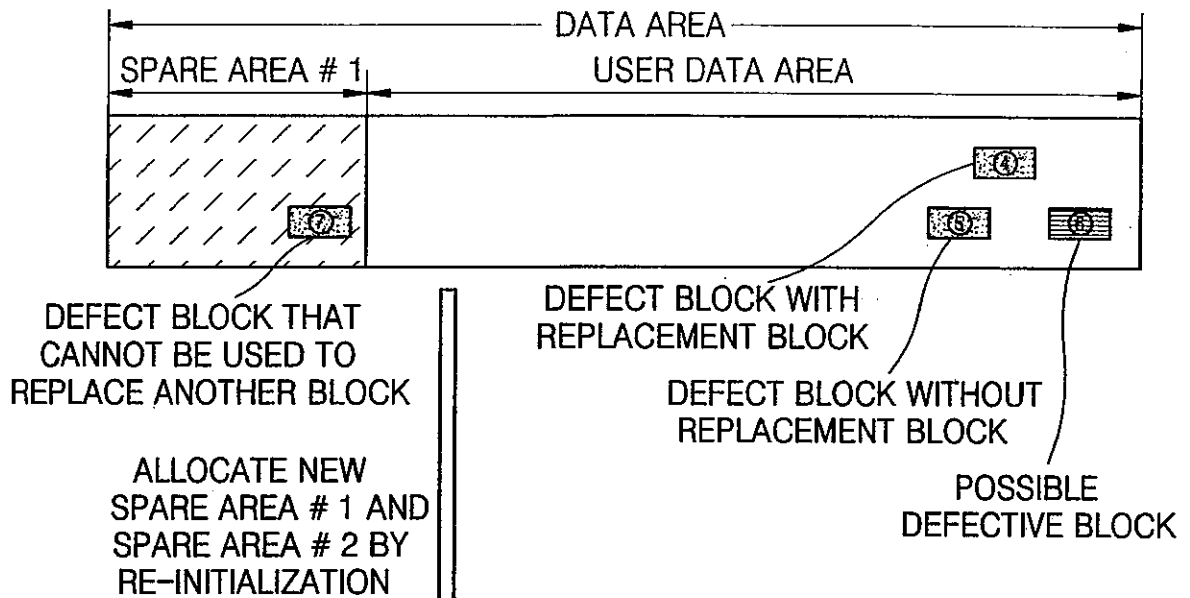


FIG. 9B

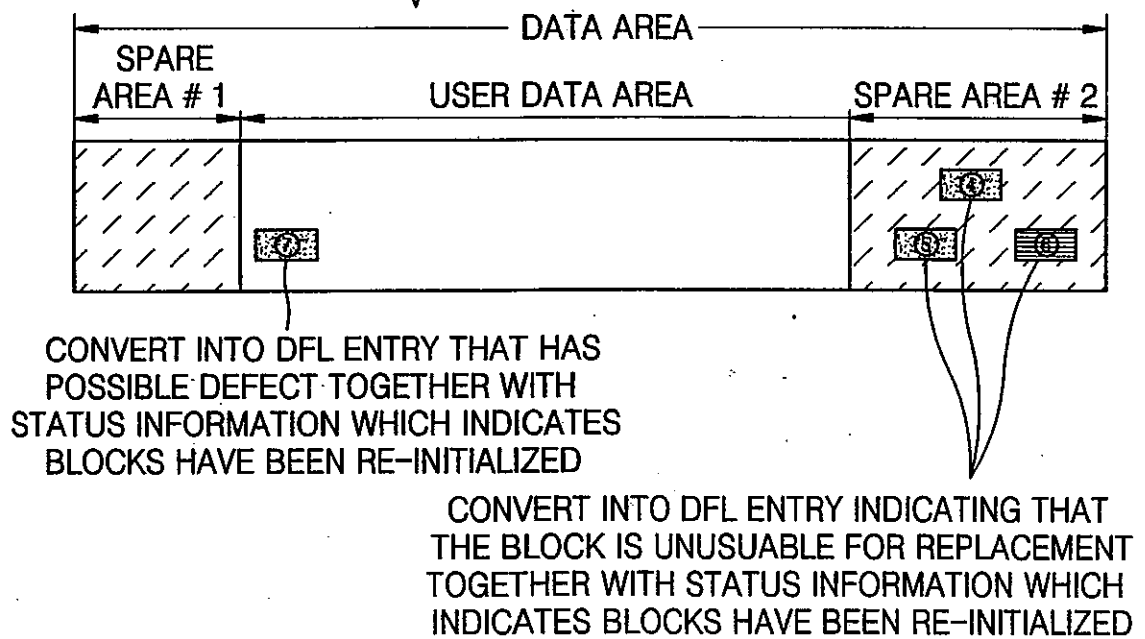


FIG. 10A

DFL ENTRY BEFORE RE-INITIALIZATION

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
1	0010000h	0	...
2	0010100h	0	...
3	0010110h	0	...
5	...	0	0100000h
...	...	...	...

FIG. 10B

DFL ENTRY AFTER RE-INITIALIZATION

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
3	0100000h	1	...
5	...	1	0010000h
5	...	1	0010100h
5	...	1	0010110h
...	...	...	...

FIG. 11A

DFL ENTRY OF SINGLE POSSIBLE DEFECTIVE BLOCK

"3"	PHYSICAL ADDRESS OF DEFECT BLOCK	"0"	1
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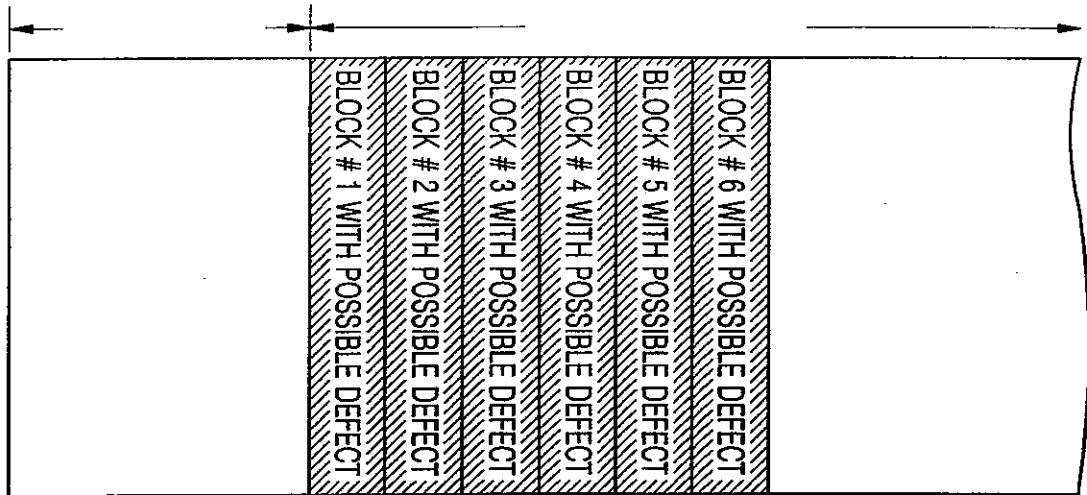
FIG. 11BDFL ENTRIES OF SEQUENTIAL POSSIBLE
DEFECTIVE BLOCK (LENGTH KNOWN)

"3"	STARTING PHYSICAL ADDRESS OF SEQUENTIAL DEFECT BLOCKS	"0"	5
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FIG. 11CDFL ENTRIES OF SEQUENTIAL POSSIBLE
DEFECTIVE BLOCK (LENGTH UNKNOWN)

"3"	STARTING PHYSICAL ADDRESS OF SEQUENTIAL DEFECT BLOCKS	"0"	FFh
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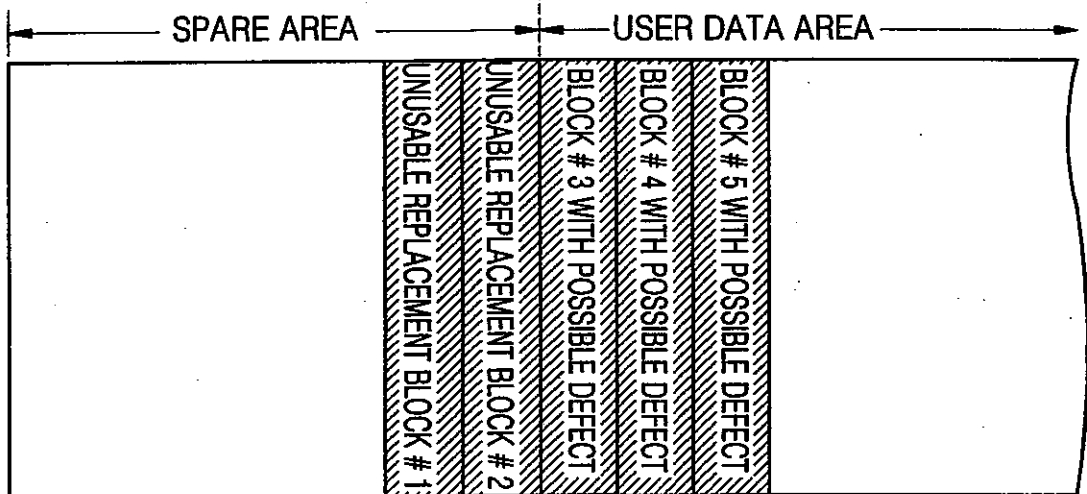
FIG. 12A



0001000h

ALLOCATE NEW SPARE AREA

FIG. 12B



0001000h

0001010h

FIG. 13A**DFL ENTRY BEFORE RE-INITIALIZATION**

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
3	0001000h	0	5
...	...	...	...

**FIG. 13B****DFL ENTRY AFTER RE-INITIALIZATION**

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
3	0001010h	1	3
5	...	1	0001000h
5	...	1	0001001h
...	...	...	...

FIG. 14A

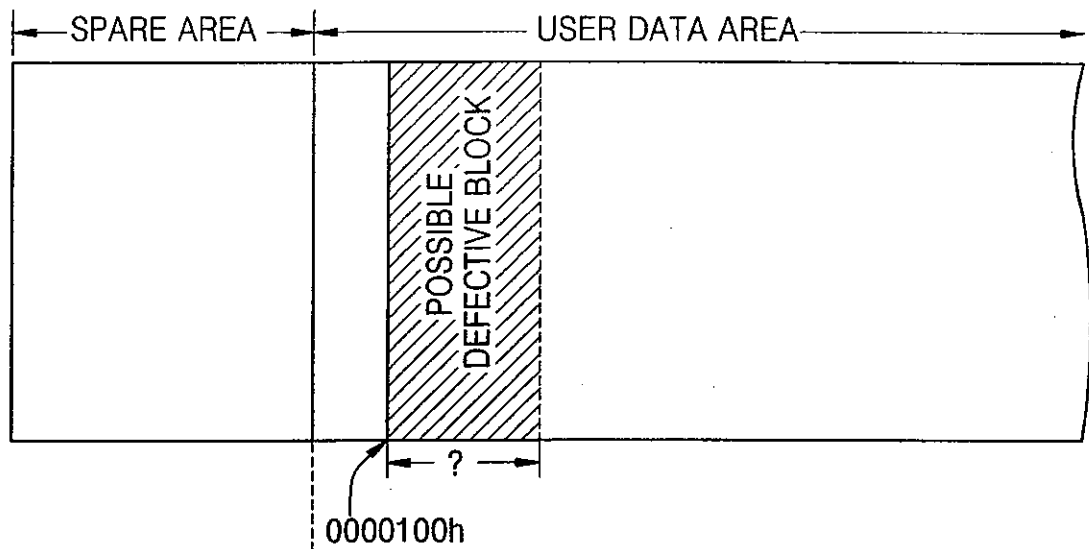


FIG. 14B

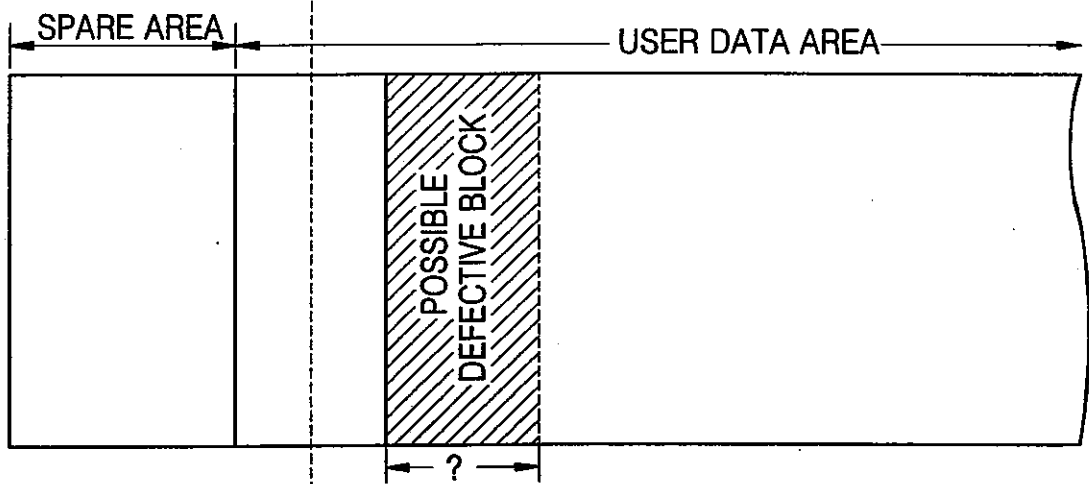


FIG. 14C

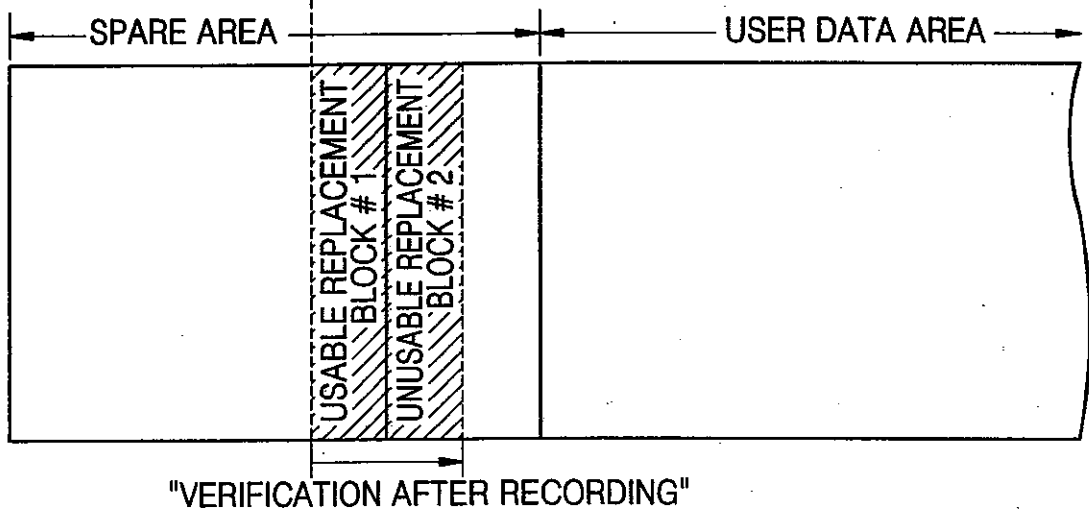


FIG. 15A

DFL ENTRY BEFORE RE-INITIALIZATION

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
3	0000100h	0	FFh
...	...	...	...

FIG. 15B

DFL ENTRY WHEN STARTING ADDRESS OF SEQUENTIAL DEFECT BLOCK EXISTS IN USER DATA AREA AFTER RE-INITIALIZATION

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
3	000010h	0	FFh
...	...	...	...

FIG. 15C

DFL ENTRY WHEN STARTING ADDRESS OF SEQUENTIAL DEFECT BLOCK EXISTS IN SPARE AREA AFTER RE-INITIALIZATION

STATUS INFORMATION 1	PHYSICAL ADDRESS OF DEFECT BLOCK	STATUS INFORMATION 2	PHYSICAL ADDRESS OF REPLACEMENT BLOCK
4	...	1	0000100h
5	...	1	0000101h
...	...	...	...

FIG. 16A

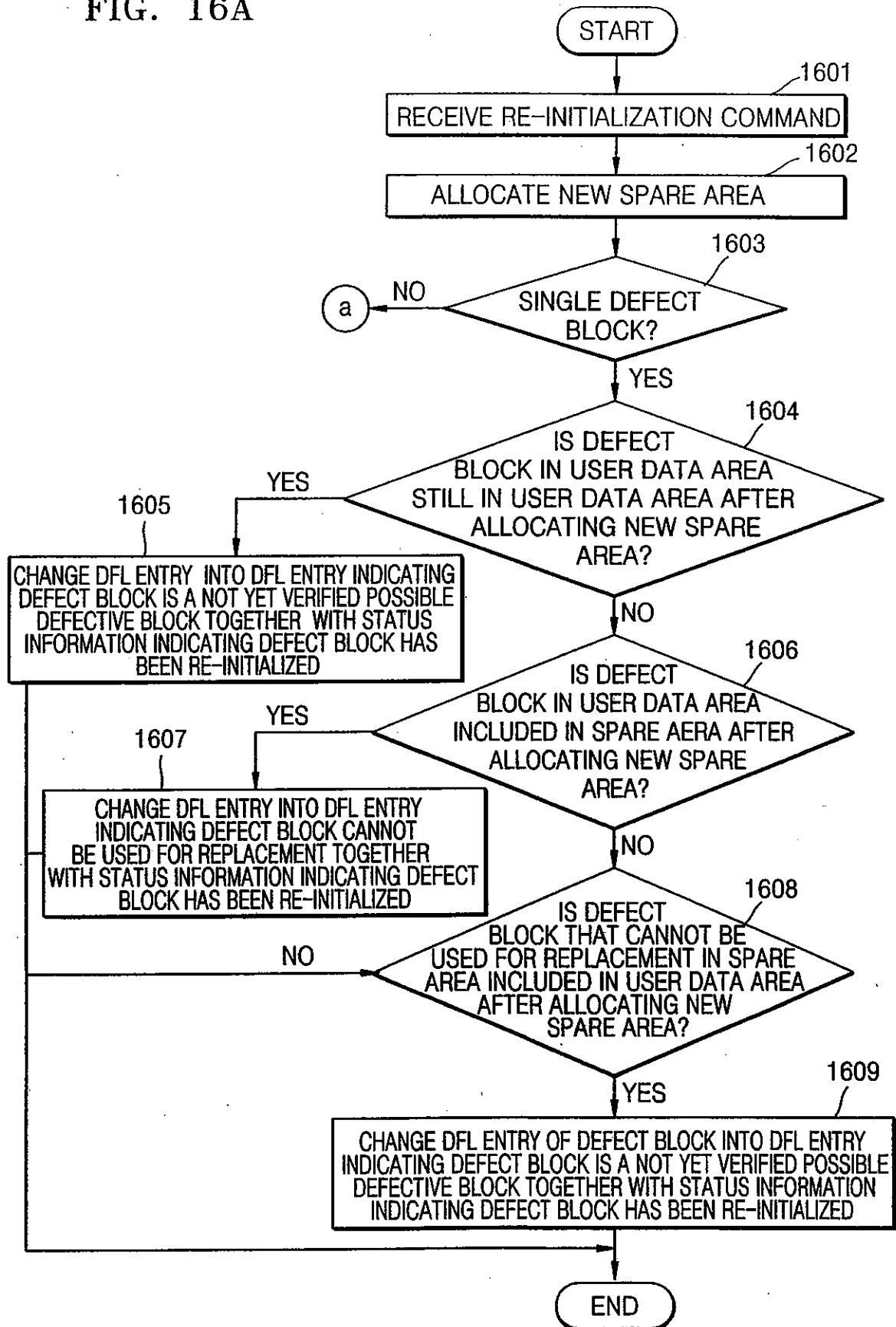


FIG. 16B

