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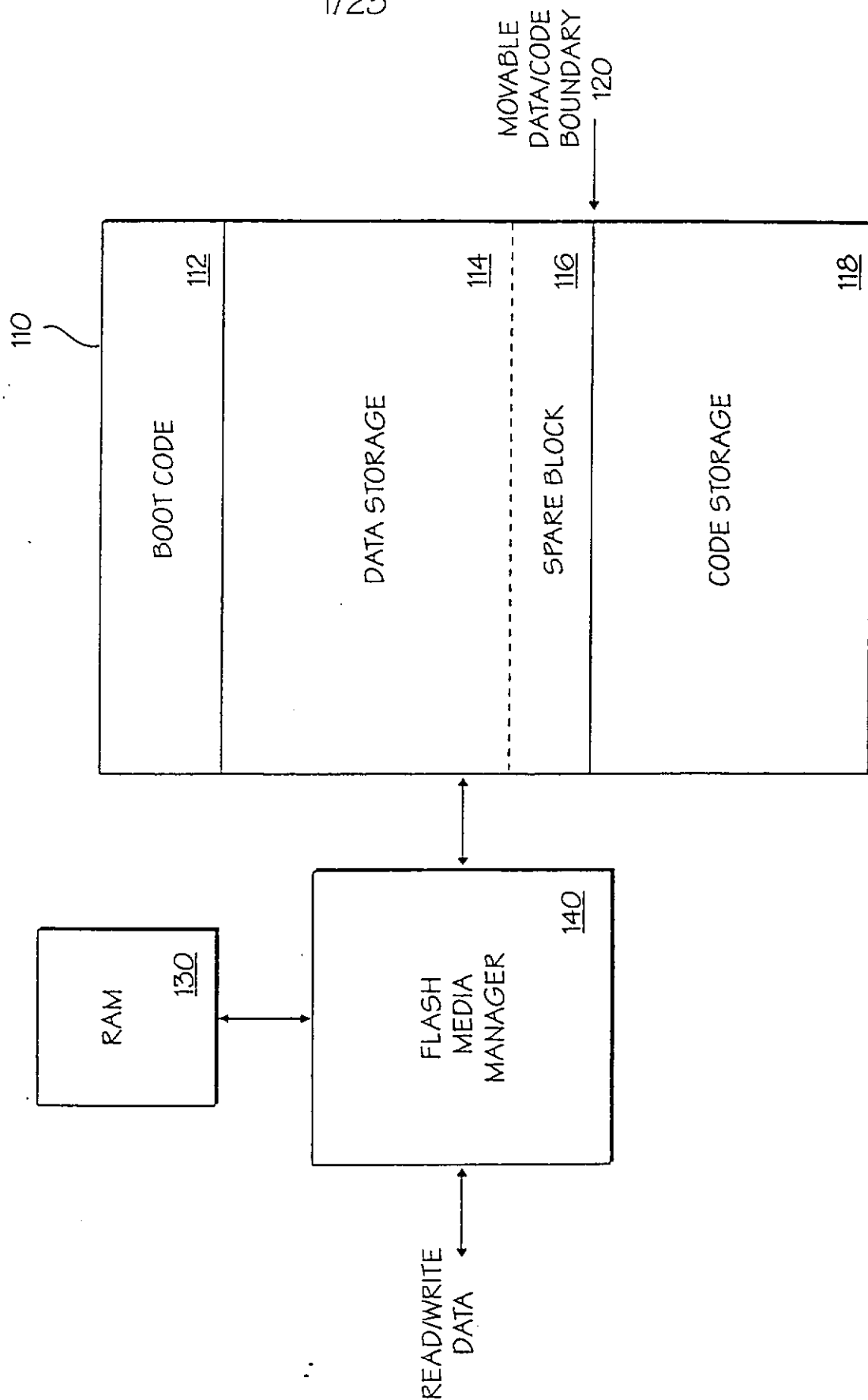


Fig. 1

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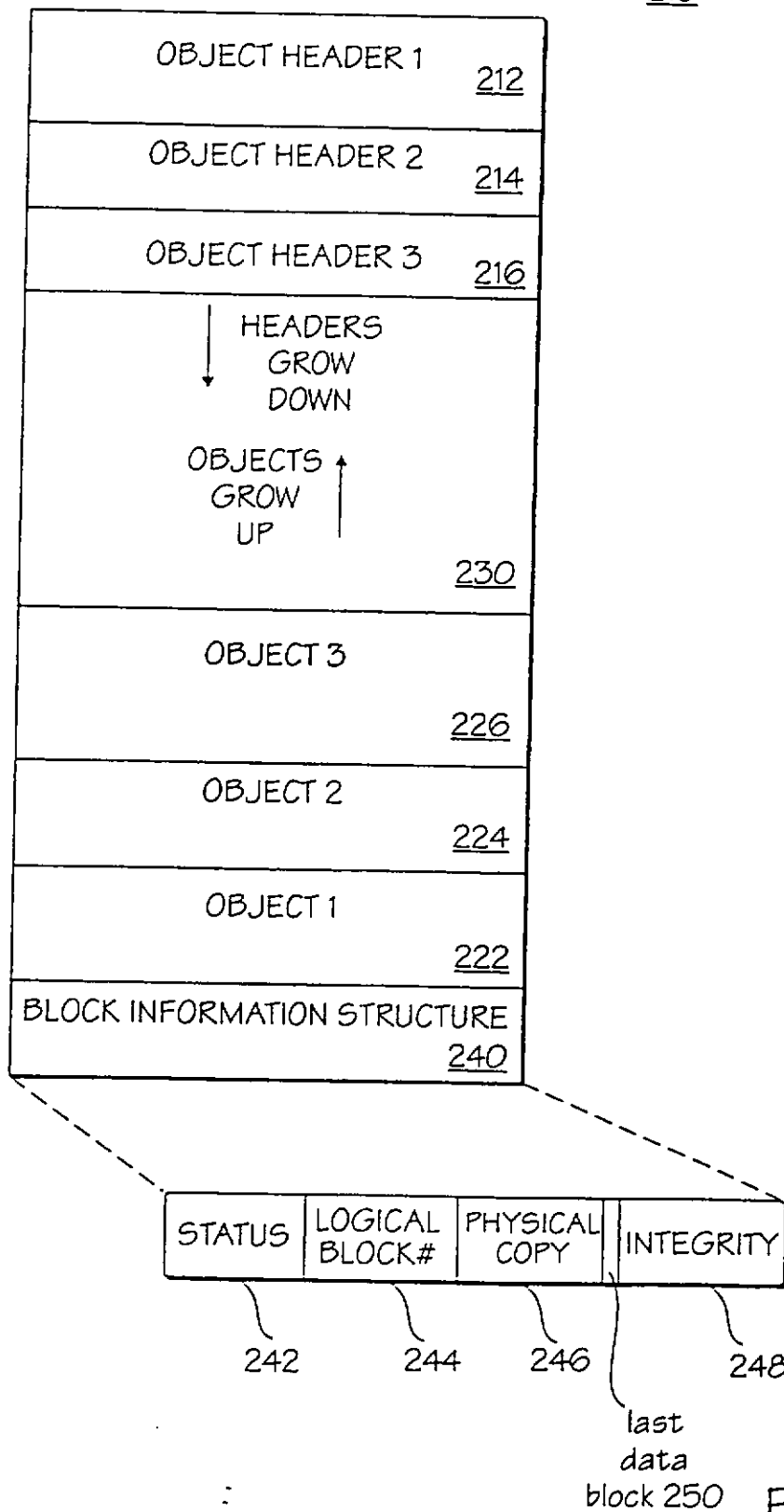


Fig. 2

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OBJECT HEADER STRUCTURE

300

IDENTIFIER	STATUS	TYPE	SIZE	OFFSET	TABLE NUMBER
<u>302</u>	<u>304</u>	<u>306</u>	<u>308</u>	<u>310</u>	<u>312</u>

STATUS TABLE

320

STATUS VALUE	NAME	DEFINITION
1111 1111	EMPTY-	THIS IS AN EMPTY GRANULAR UNIT
0111 1111	ALLOCATING	HEADER BEING WRITTEN
0111 1110	HEADER WRITTEN	HEADER HAS BEEN WRITTEN
0011 1110	ALLOCATED	OBJECT DATA HAS BEEN WRITTEN
0001 1110	VALID	HEADER DESCRIBES VALID DATA
0000 1110	INVALIDATING	IN PROCESS OF DELETING GROUP TABLE
0000 0110	INVALID	HEADER DESCRIBES INVALID DATA

TYPE TABLE

330

TYPE VALUE	DEFINITION
XXXX 1110	HEADER POINTS TO MULTIPLE INSTANCE UNIT
XXXX 1100	HEADER POINTS TO A SEQUENCE TABLE
XXXX 1010	HEADER POINTS TO A GROUP TABLE
XXXX 1000	HEADER POINTS TO A SINGLE INSTANCE UNIT
XXXX 0000	HEADER POINTS TO A DATA FRAGMENT UNIT
0000 XXXX	THE DATA TYPE IS DATA PARAMETER
0001 XXXX	THE DATA TYPE IS DATA STREAM
0010 XXXX	THE DATA TYPE IS TELEPHONE NUMBER
0100 XXXX	THE DATA TYPE IS SHORT MESSAGE SERVICES(SMS)

Fig. 3

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INSTANCE
INFORMATION
410

MULTIPLE INSTANCE STRUCTURE

400

INSTANCE SIZE 402	NUMBER OF INSTANCES 404	STATUS 1 VALID 422	STATUS 2 ERASED 432	STATUS 3 ERASED 442	STATUS 4 ERASED 452
INSTANCE 1 VALID DATA 420		INSTANCE 2 ERASED 430		INSTANCE 3 ERASED 440	
				INSTANCE 4 ERASED 450	

INSTANCE STATUS

460

VALUE	STATUS	DEFINITION
1111	EMPTY	UNUSED DATA INSTANCE
0111	ALLOCATING	INSTANCE BEING WRITTEN
0101	INVALIDATE	INVALIDATION IN PROGRESS
0011	ALLOCATED	INSTANCE BEING WRITTEN
0001	VALID	INSTANCE HOLDS VALID DATA
0000	INVALID	INSTANCE DOES NOT HOLD VALID DATA

Fig. 4

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ENTRY STRUCTURE FOR GROUP/SEQUENCE TABLES

BLOCK NUMBER	ENTRY STATUS	ENTRY INSTANCE	ENTRY SIZE	OLD ENTRY SIZE	PHYSICAL INDEX
<u>512</u>	<u>514</u>	<u>516</u>	<u>518</u>	<u>520</u>	<u>522</u>

ENTRY STATUS

560

VALUE	STATUS	DEFINITION
1111	EMPTY	ENTRY AVAILABLE
0111	ALLOCATING	ENTRY BEING WRITTEN
0011	ENTRY WRITTEN	ENTRY HAS BEEN WRITTEN
0001	VALID	ENTRY DESCRIBES VALID DATA
0101	INVALIDATE	USED DURING POWER LOSS RECOVERY

Fig. 5

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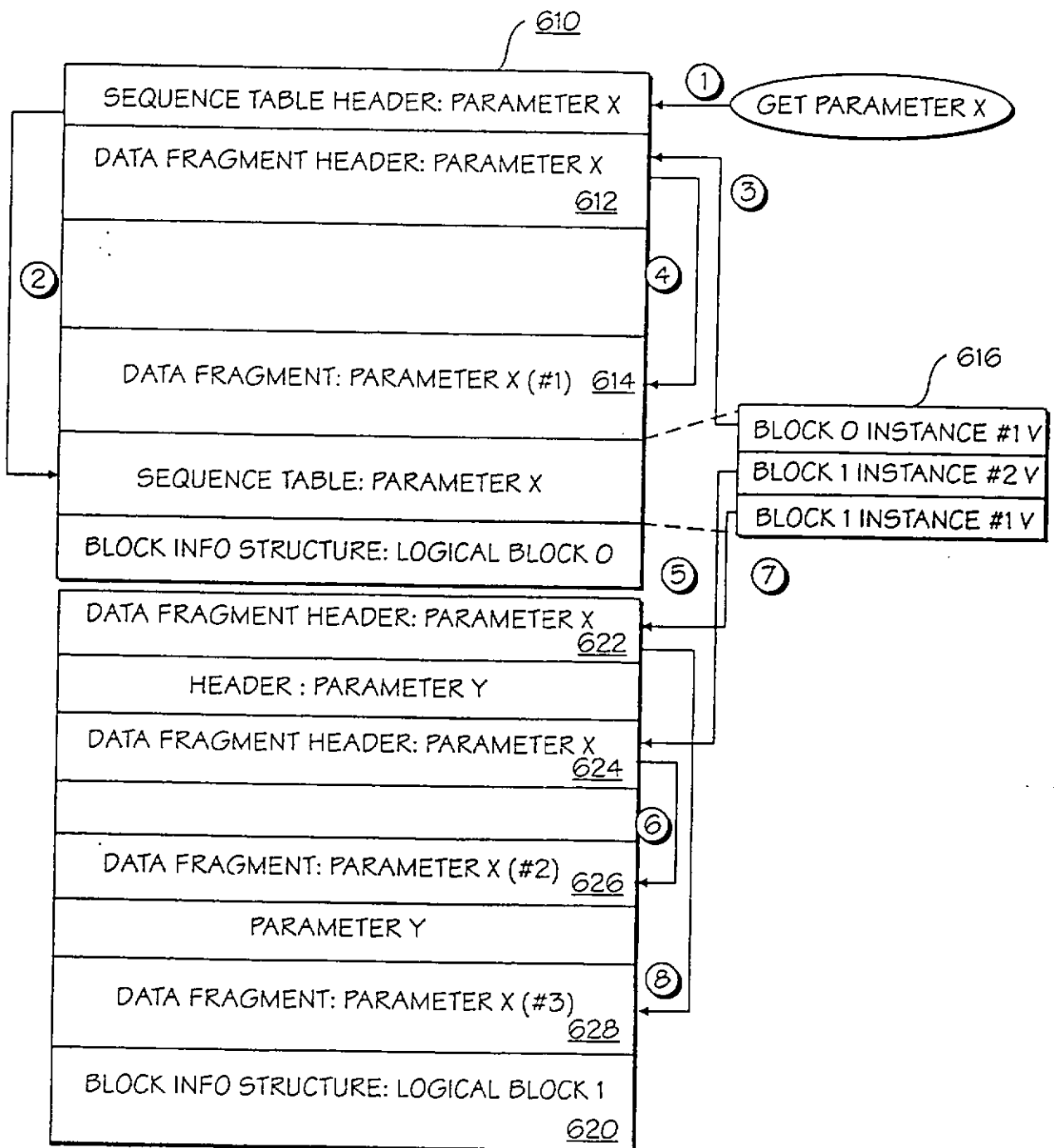


Fig. 6

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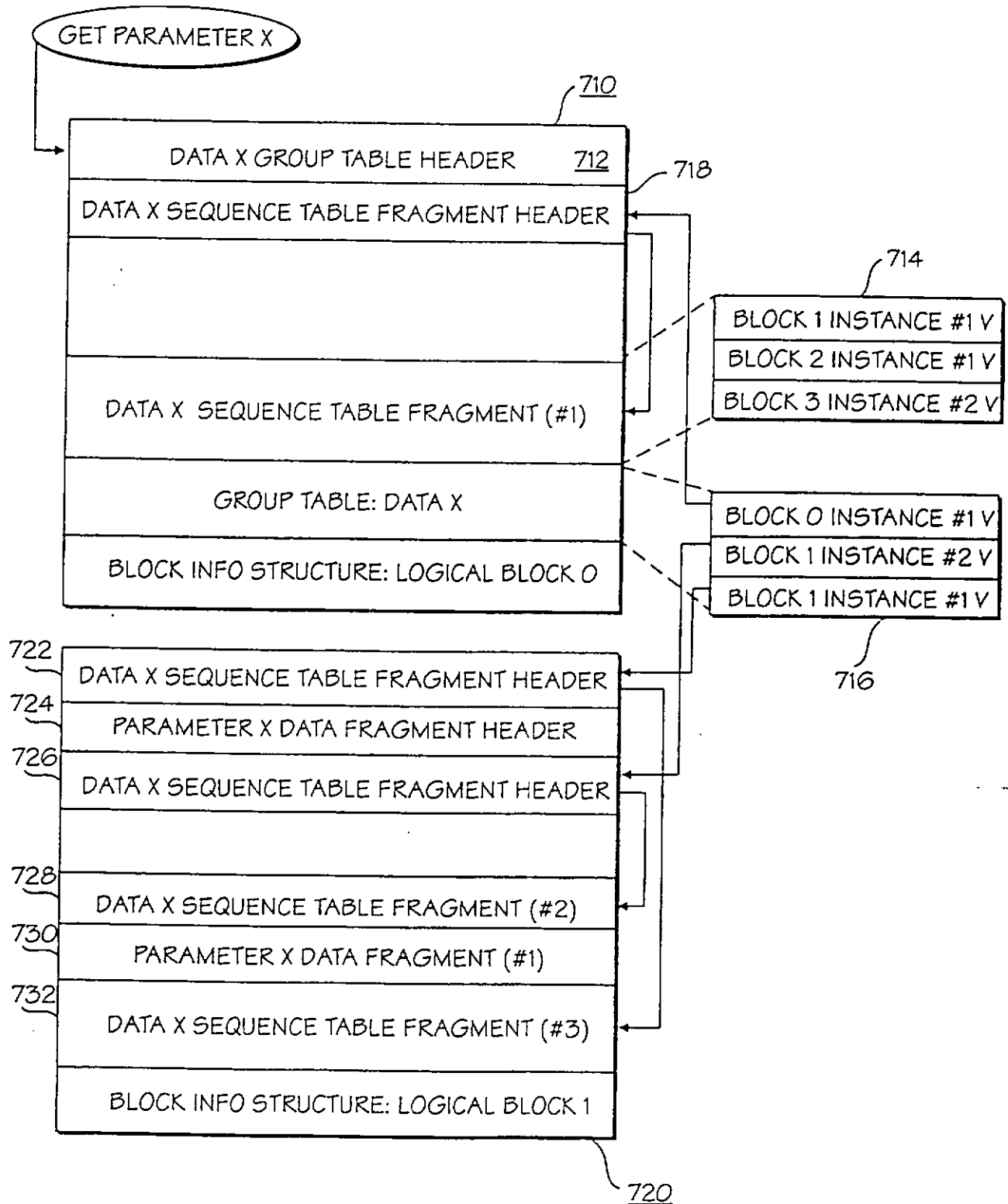


Fig. 7

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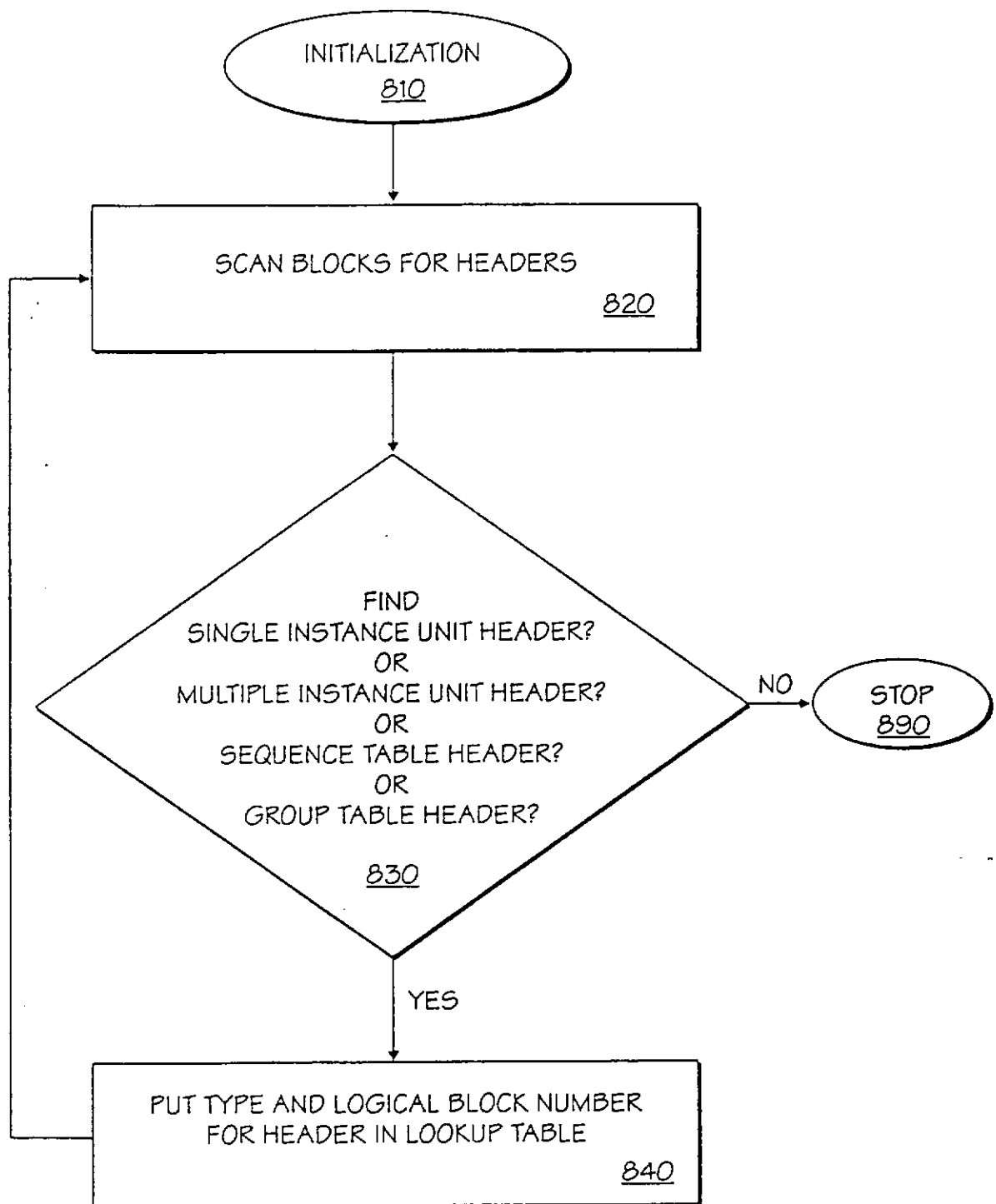


Fig. 8A

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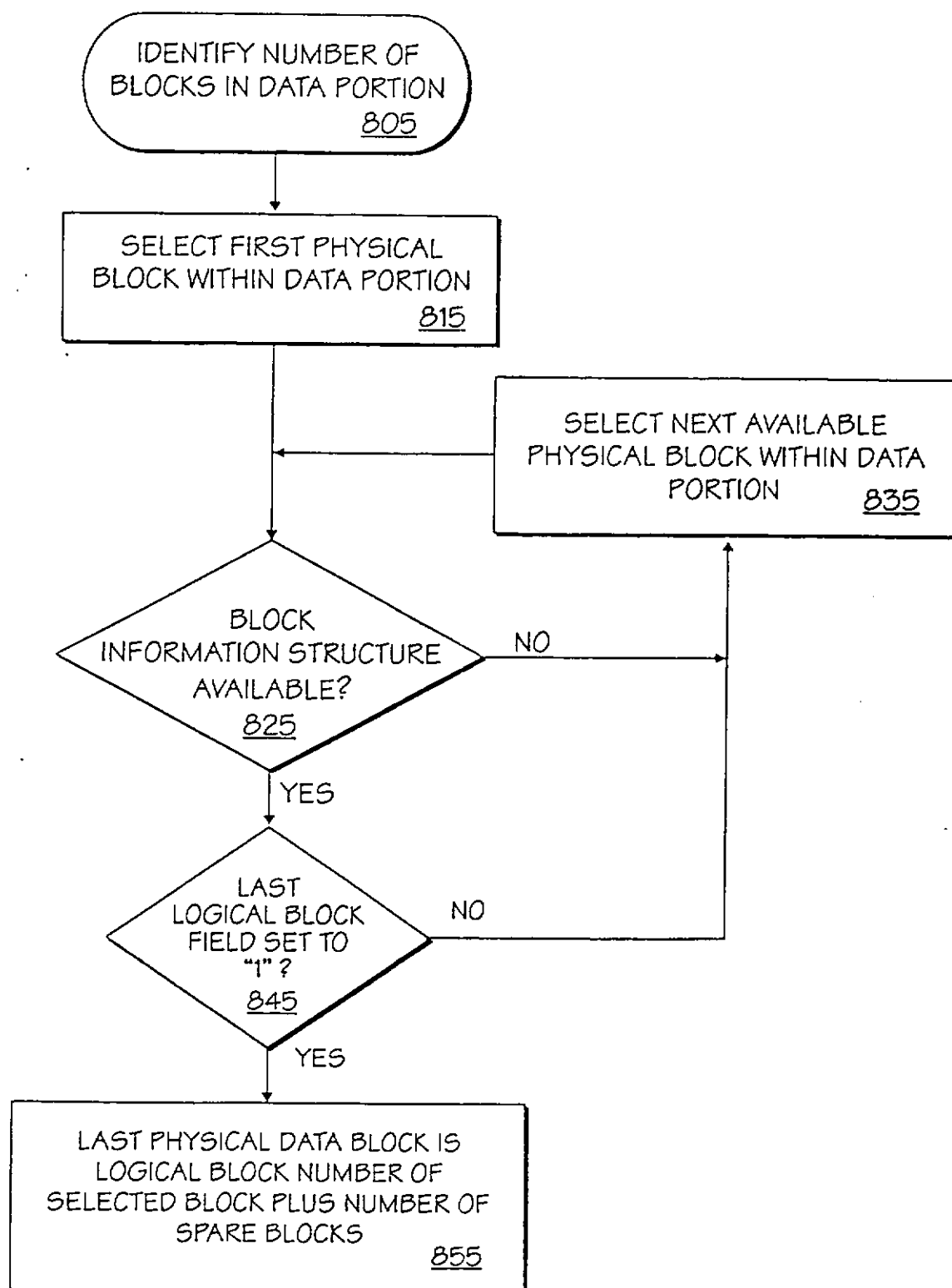


Fig. 8B

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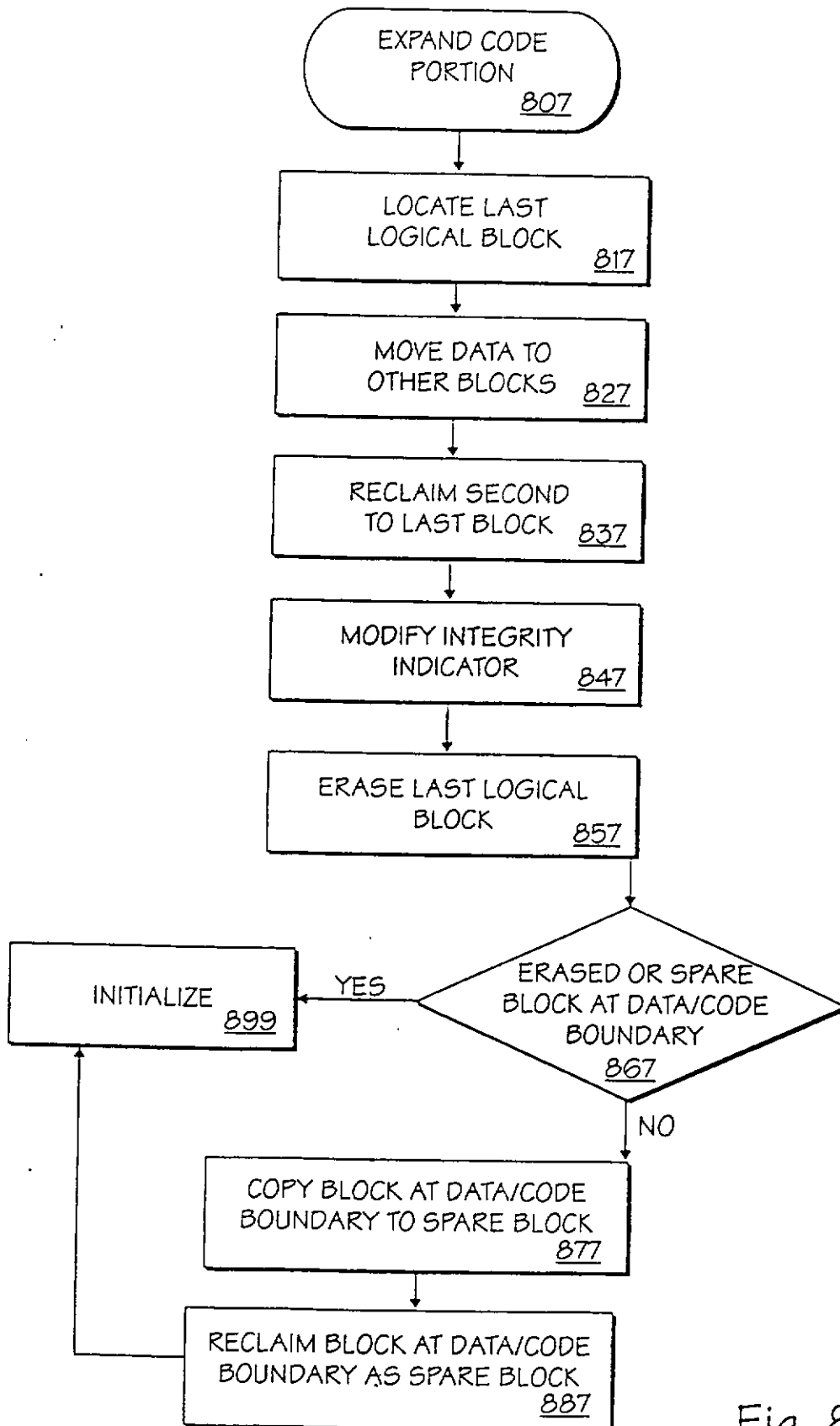


Fig. 8C

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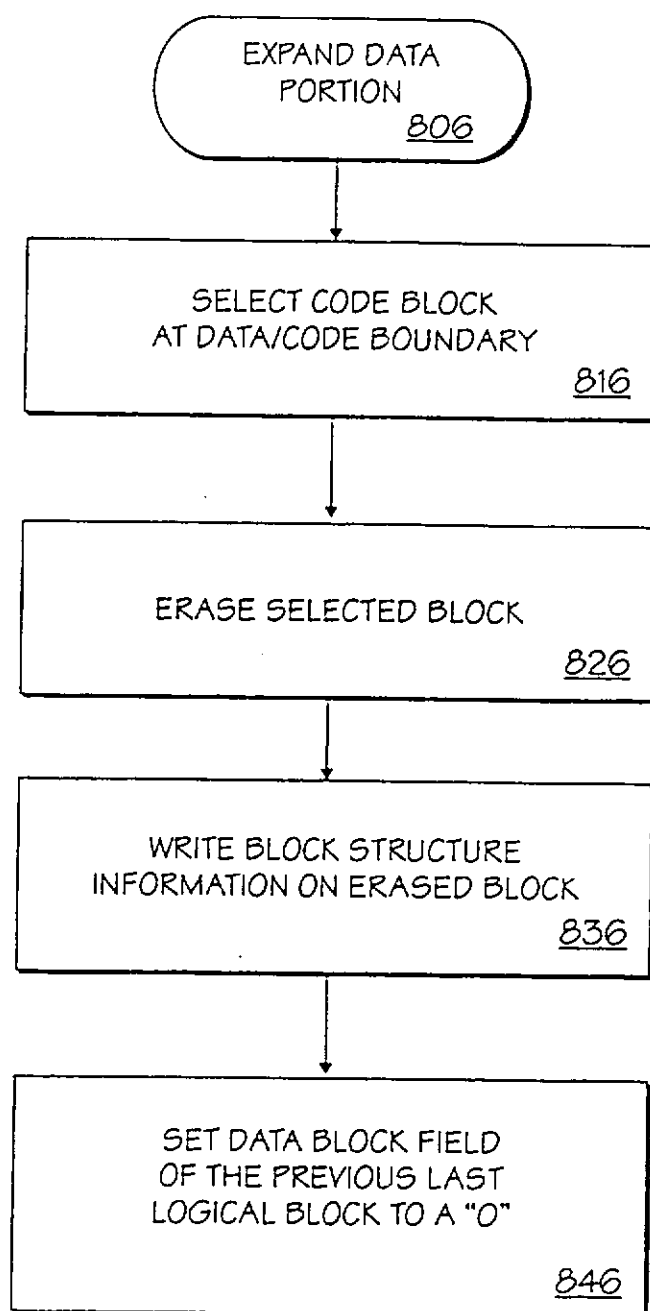


Fig. 8D

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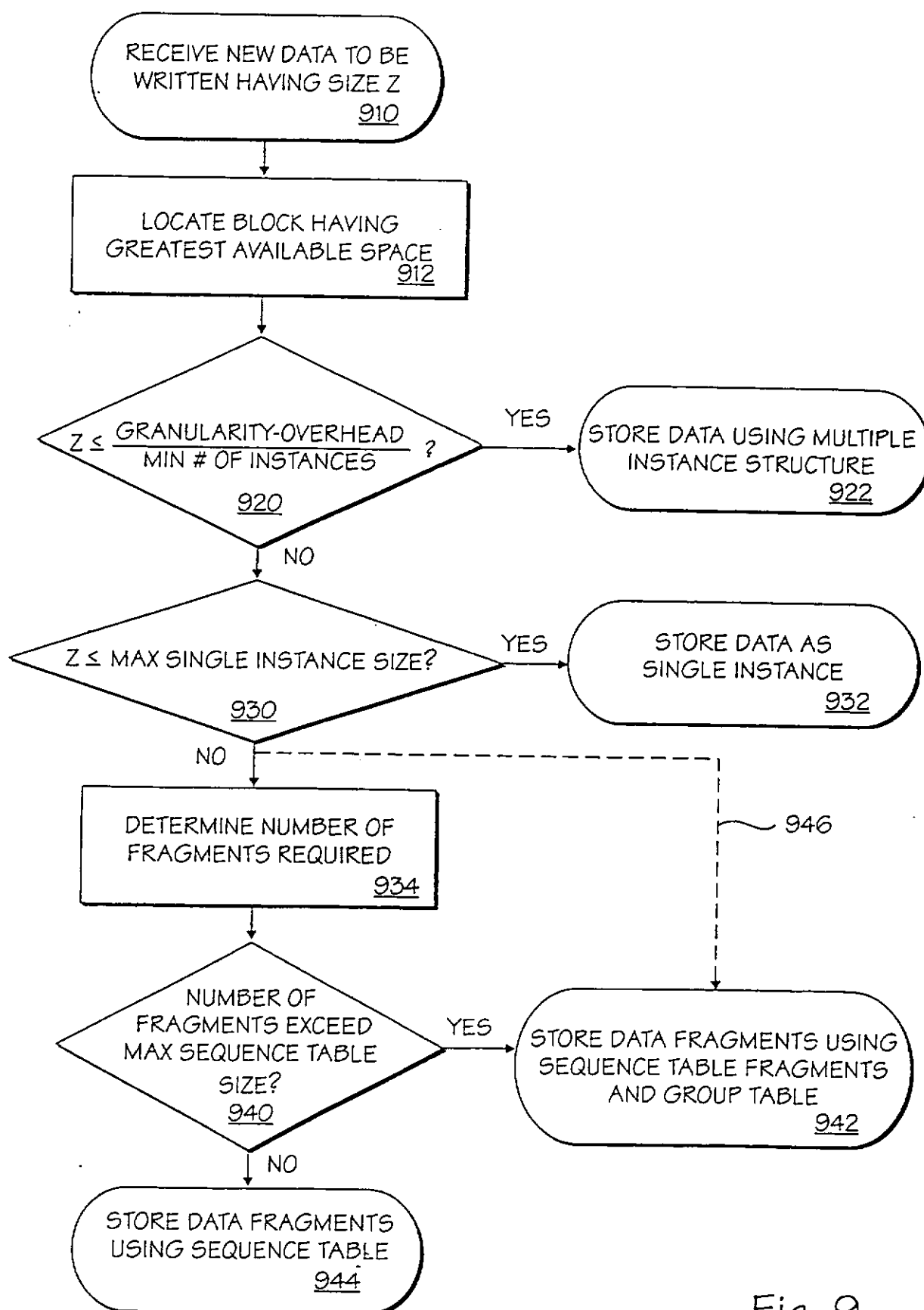


Fig. 9

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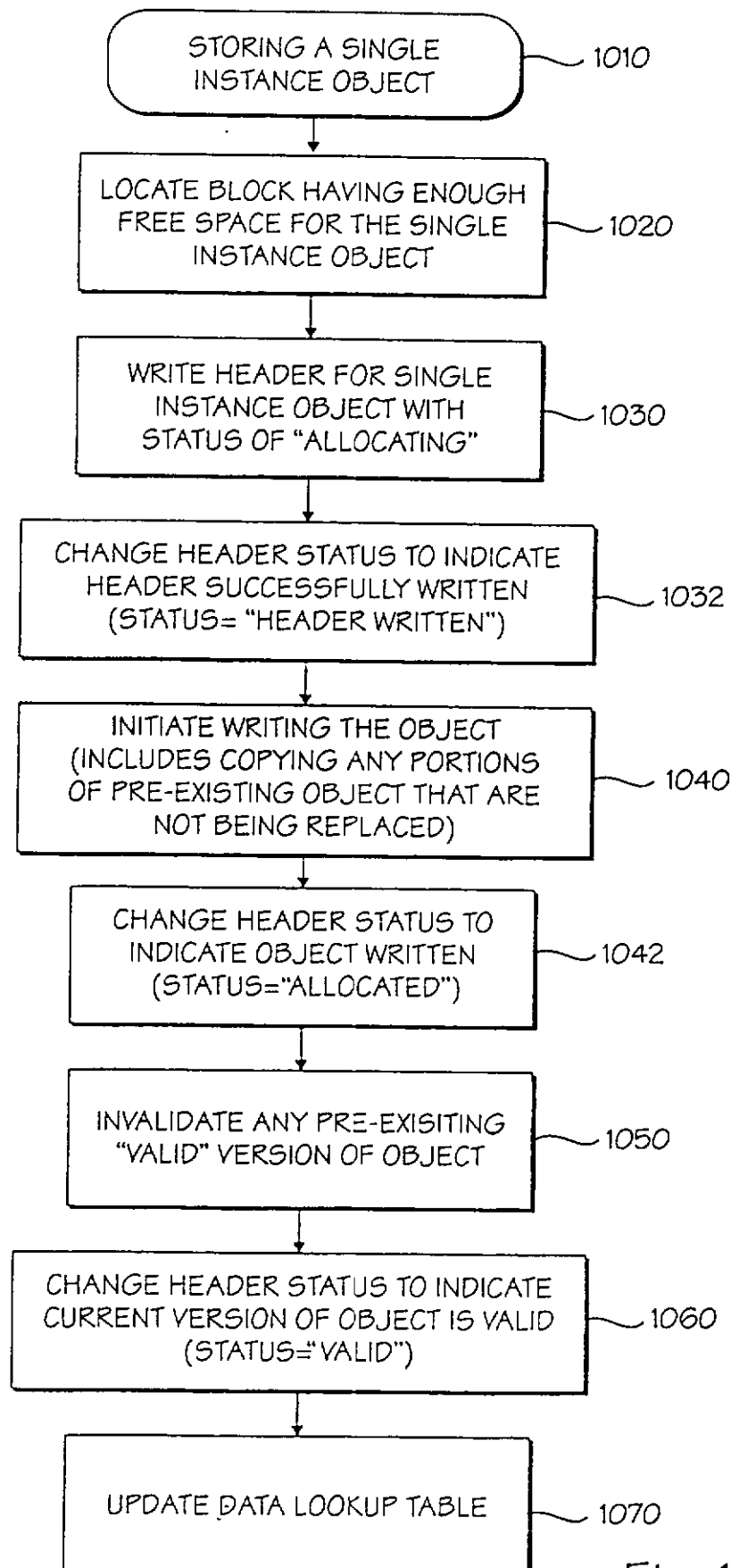


Fig. 10

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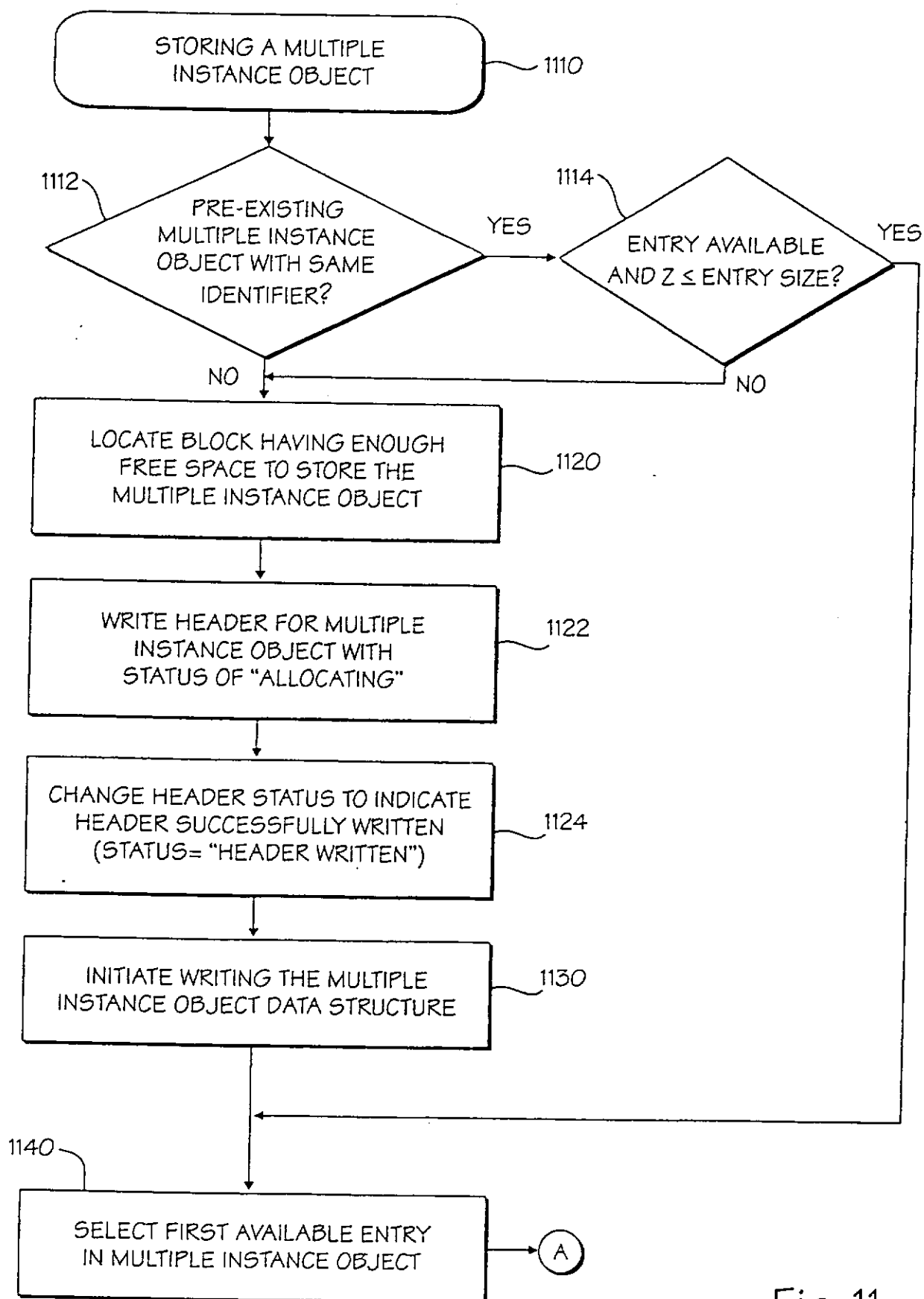


Fig. 11

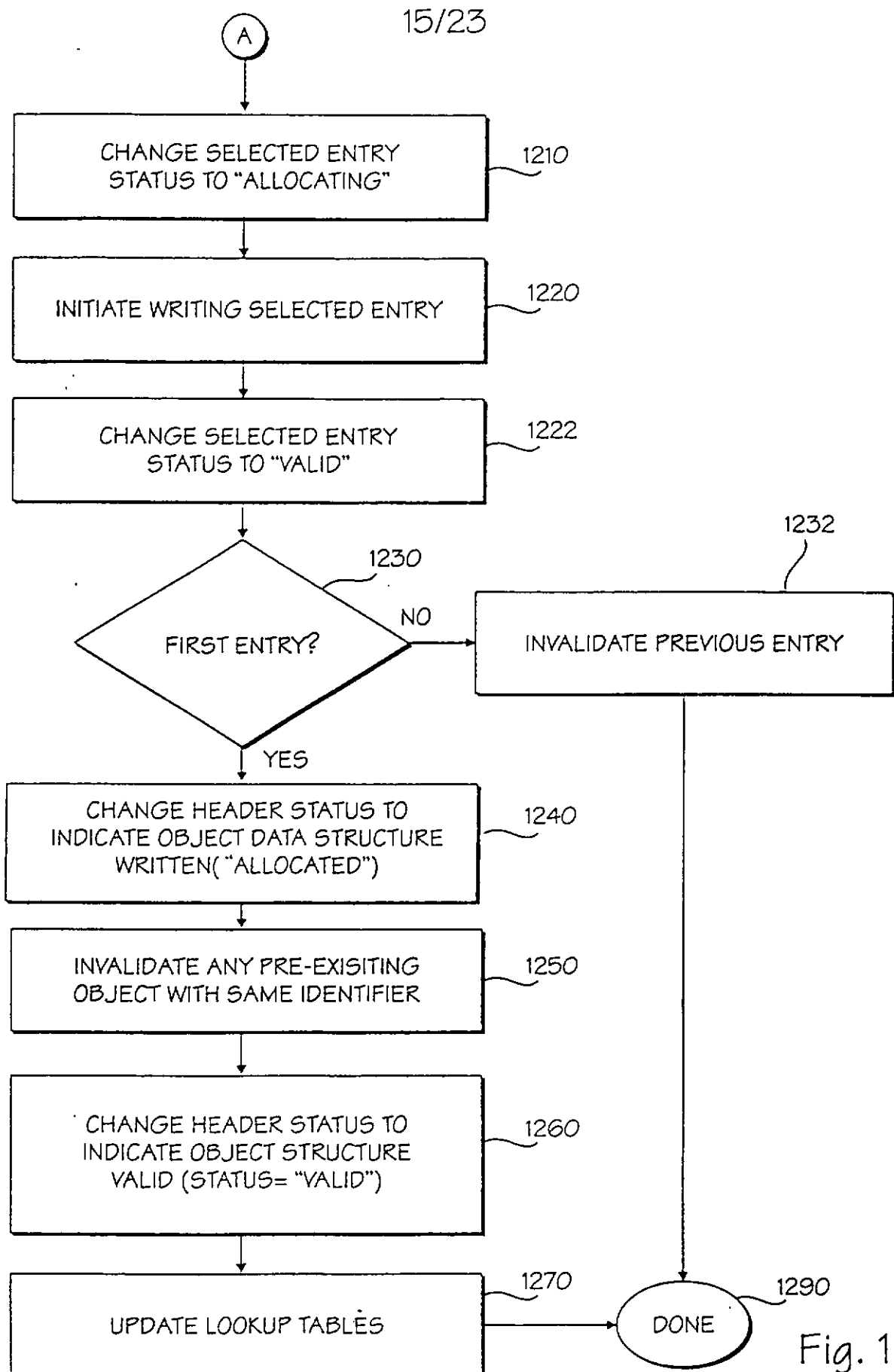


Fig. 12

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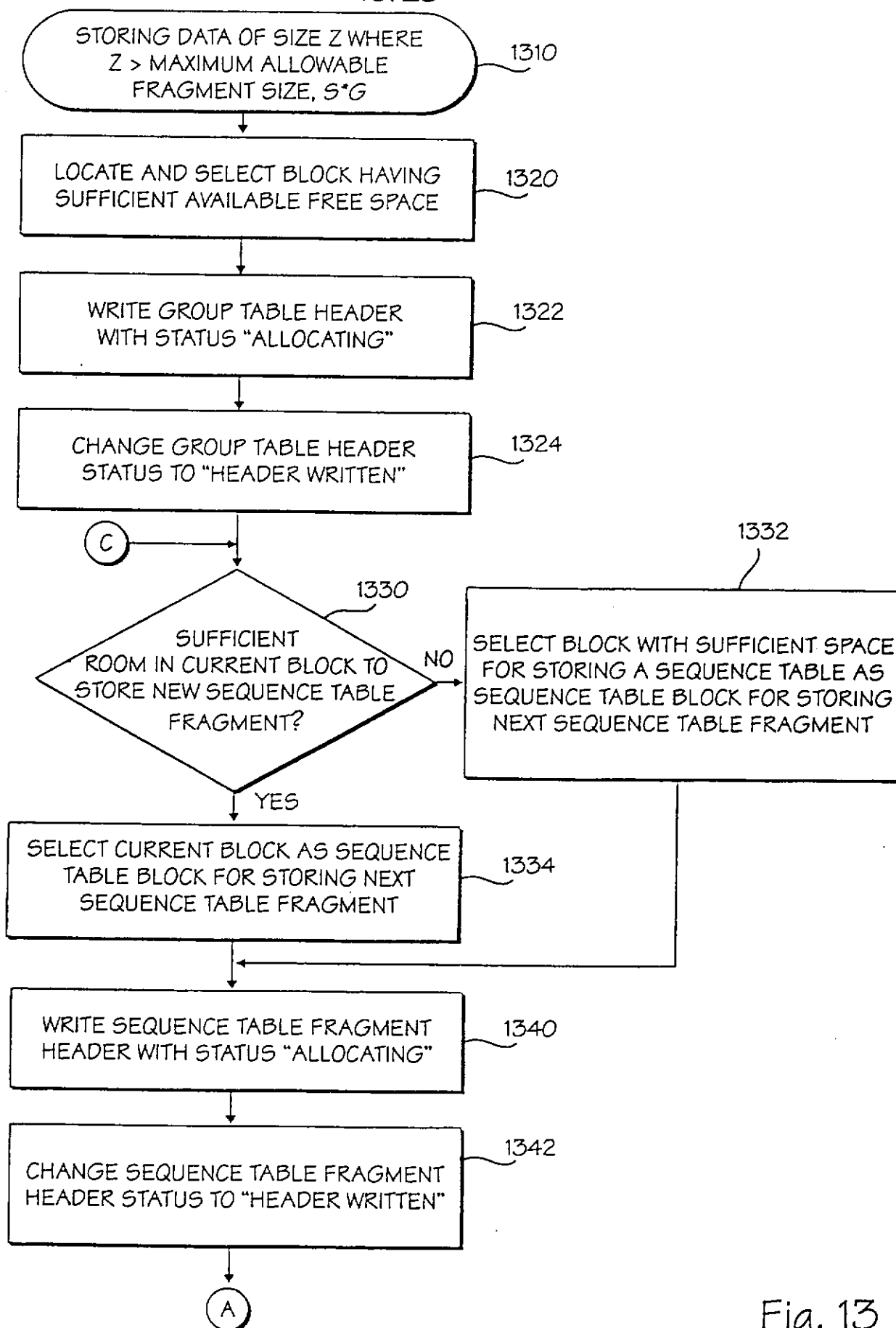


Fig. 13

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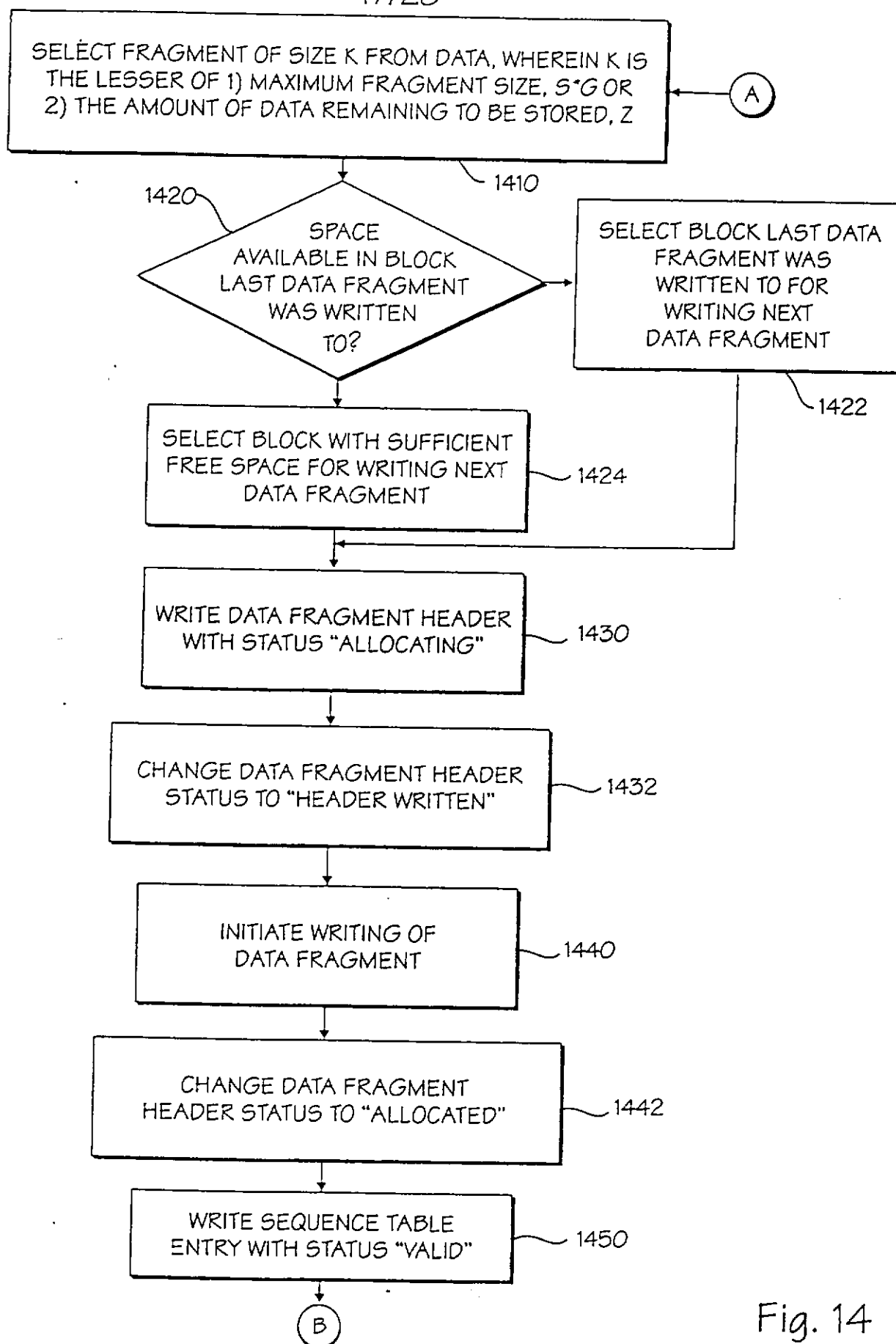


Fig. 14

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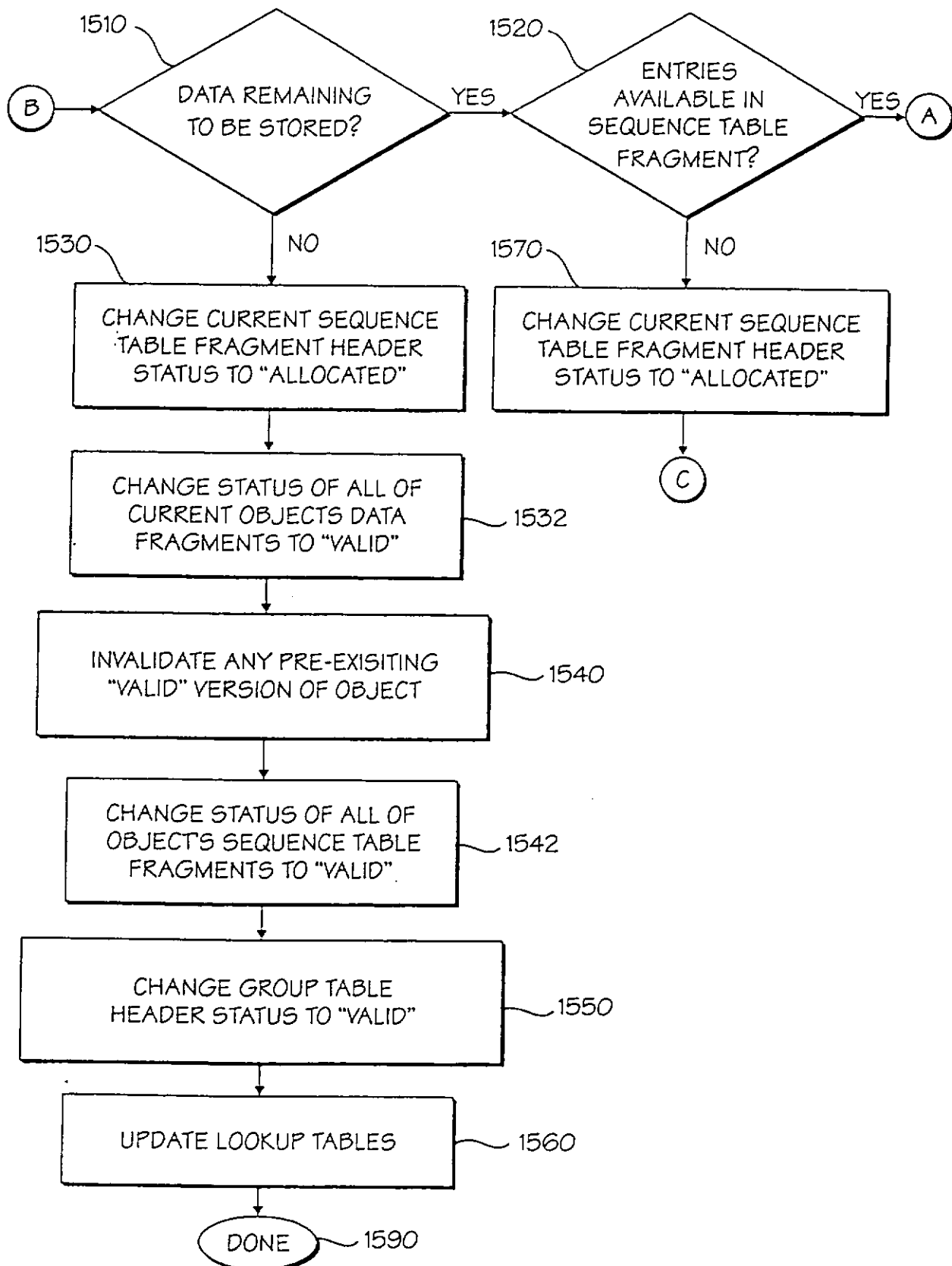


Fig. 15

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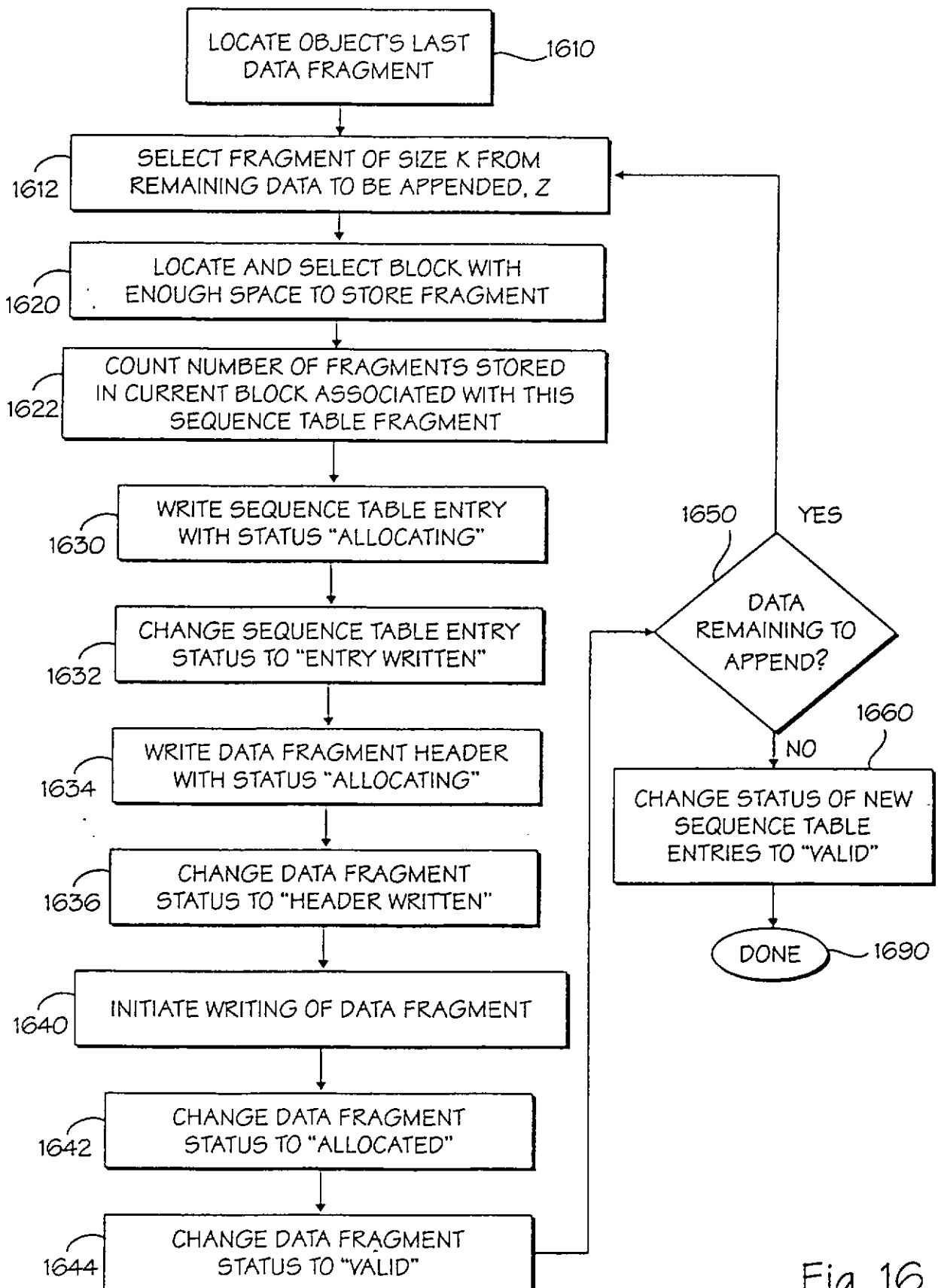


Fig. 16

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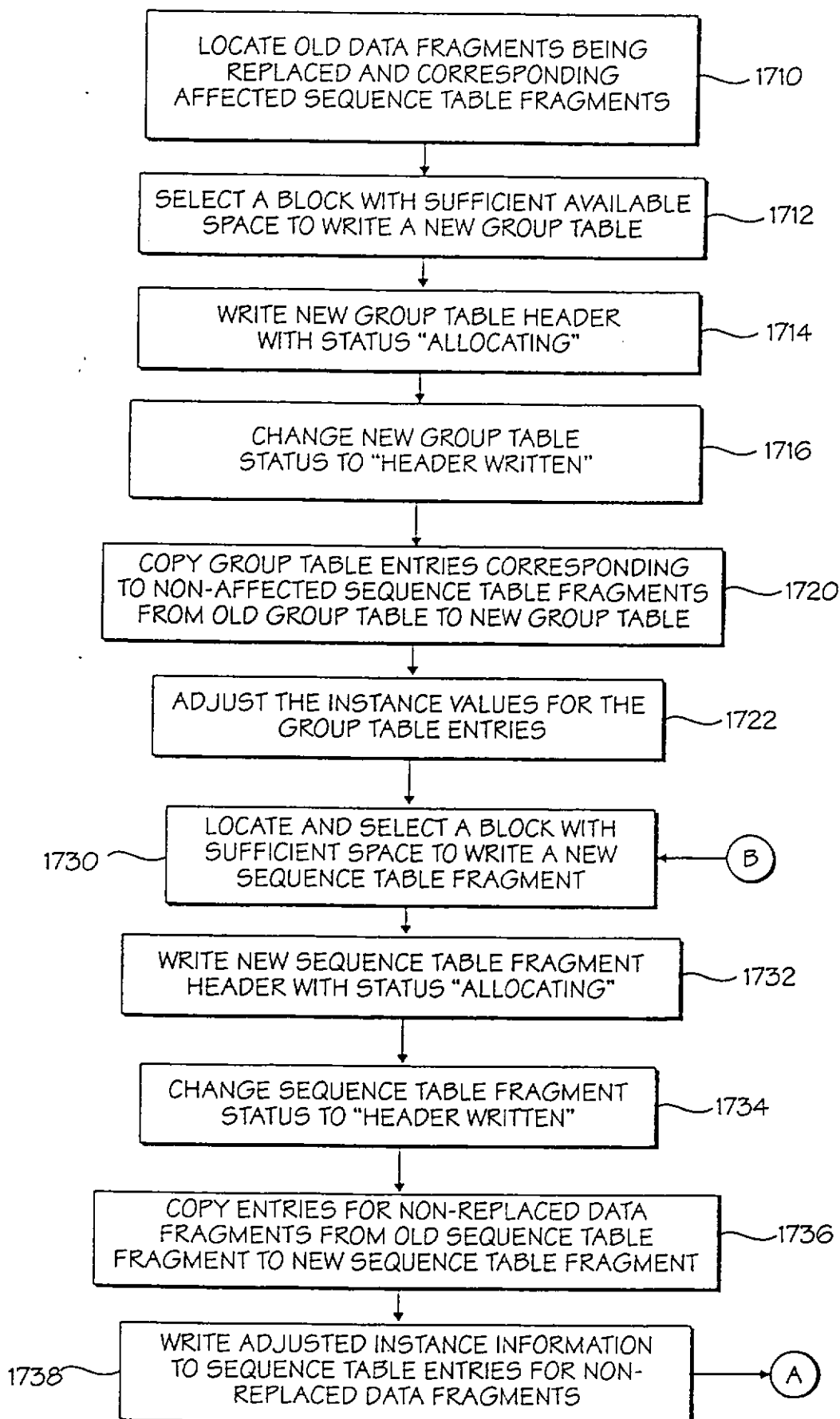


Fig. 17

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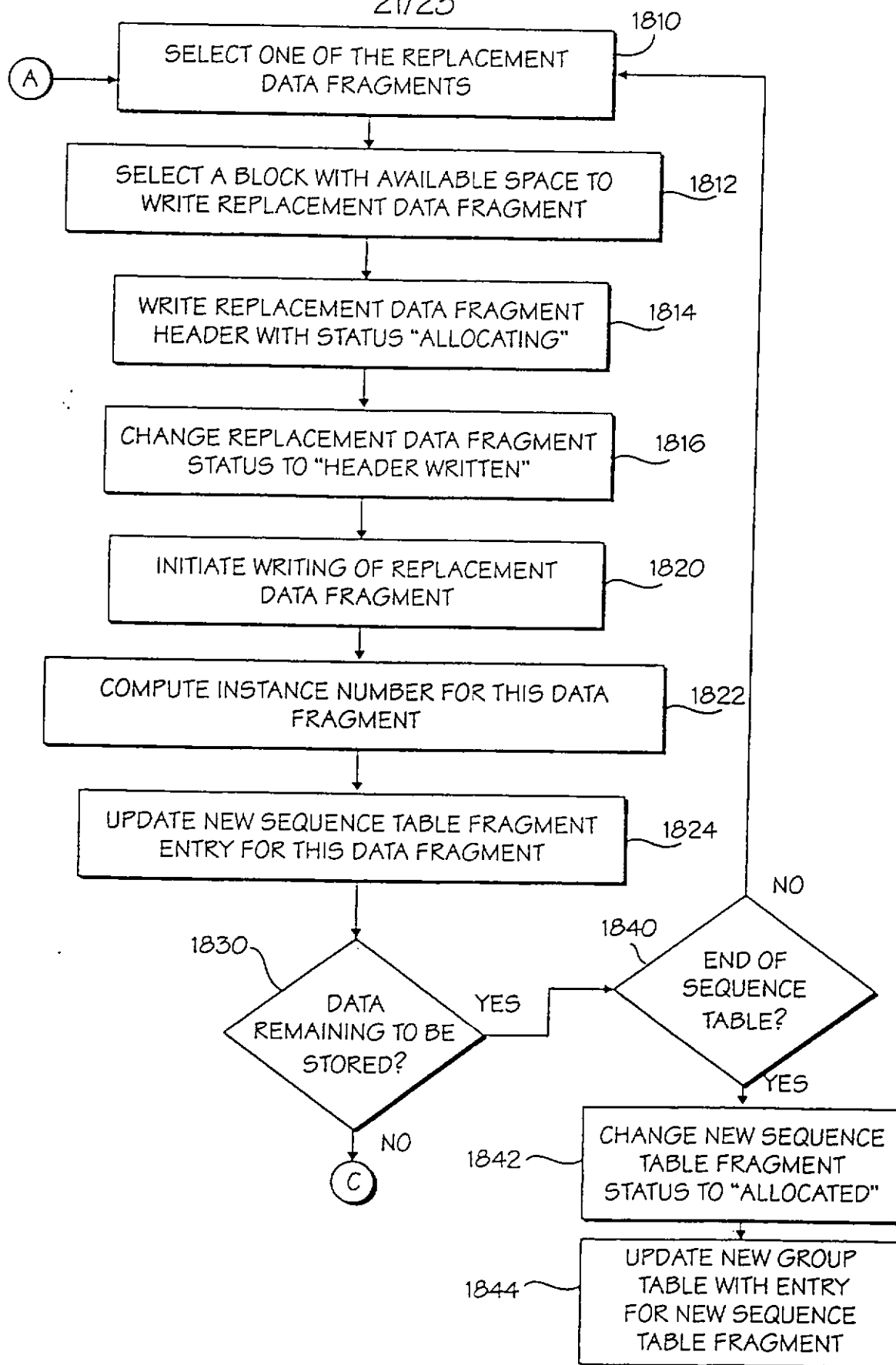


Fig. 18

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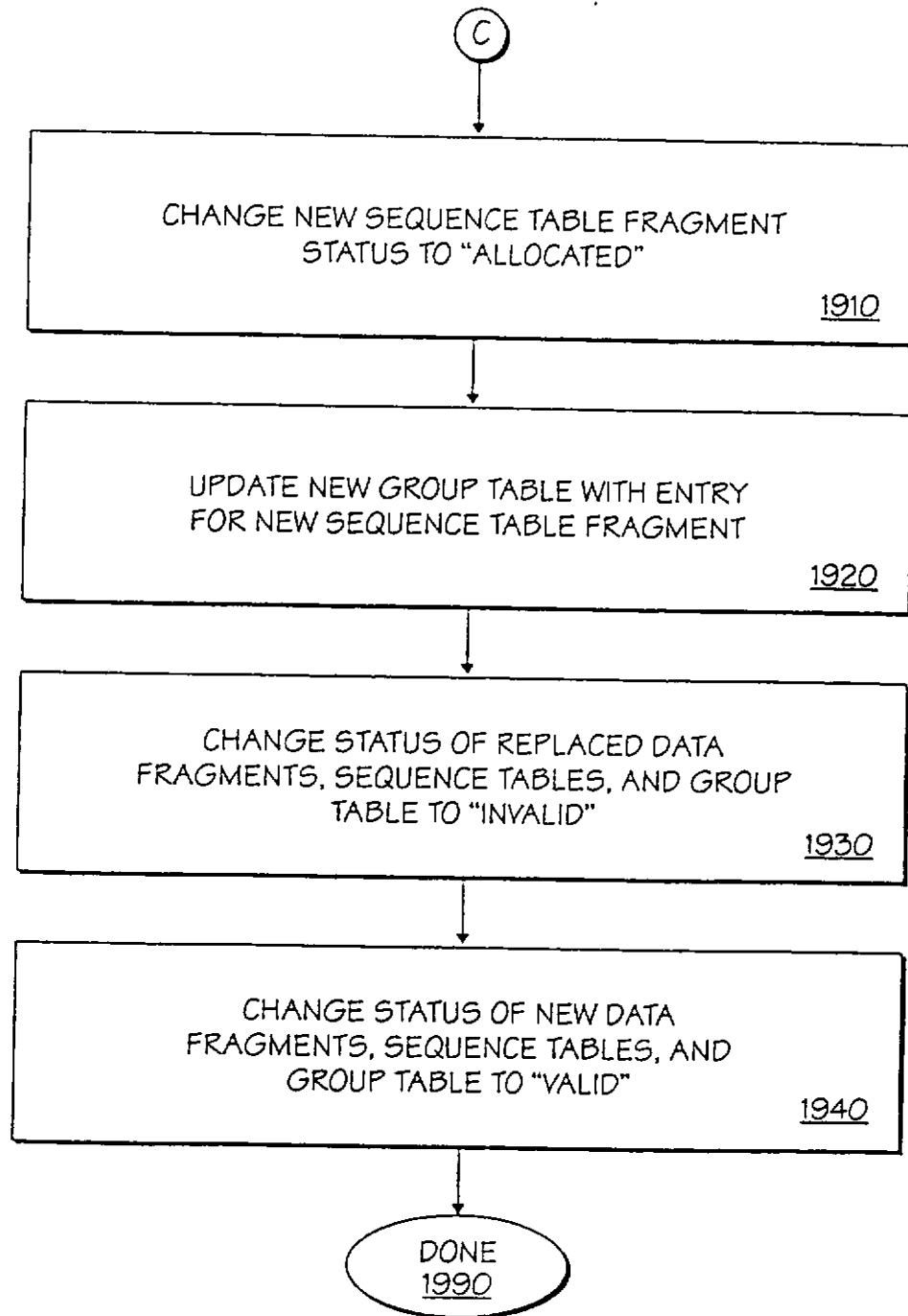


Fig. 19

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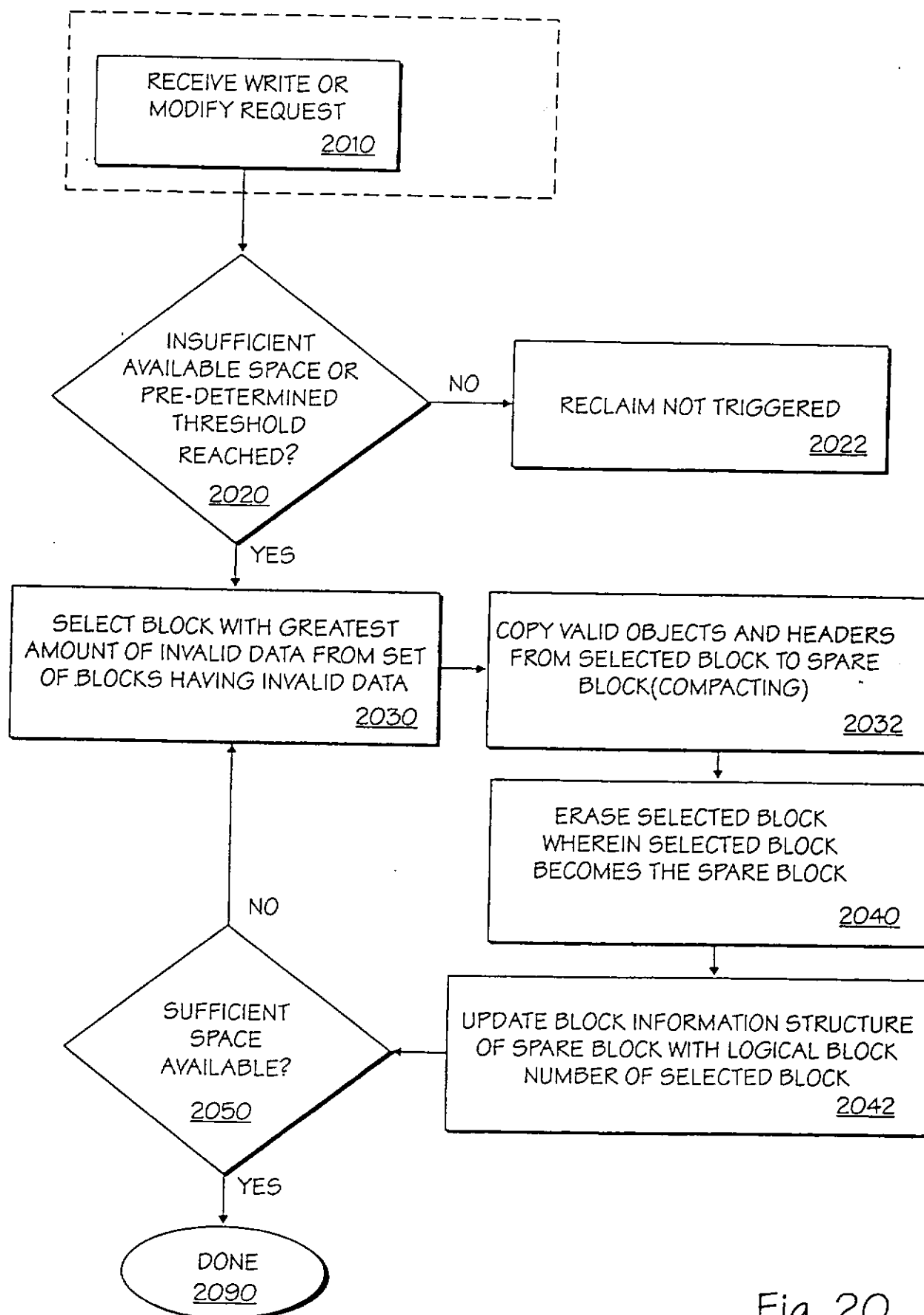


Fig. 20