

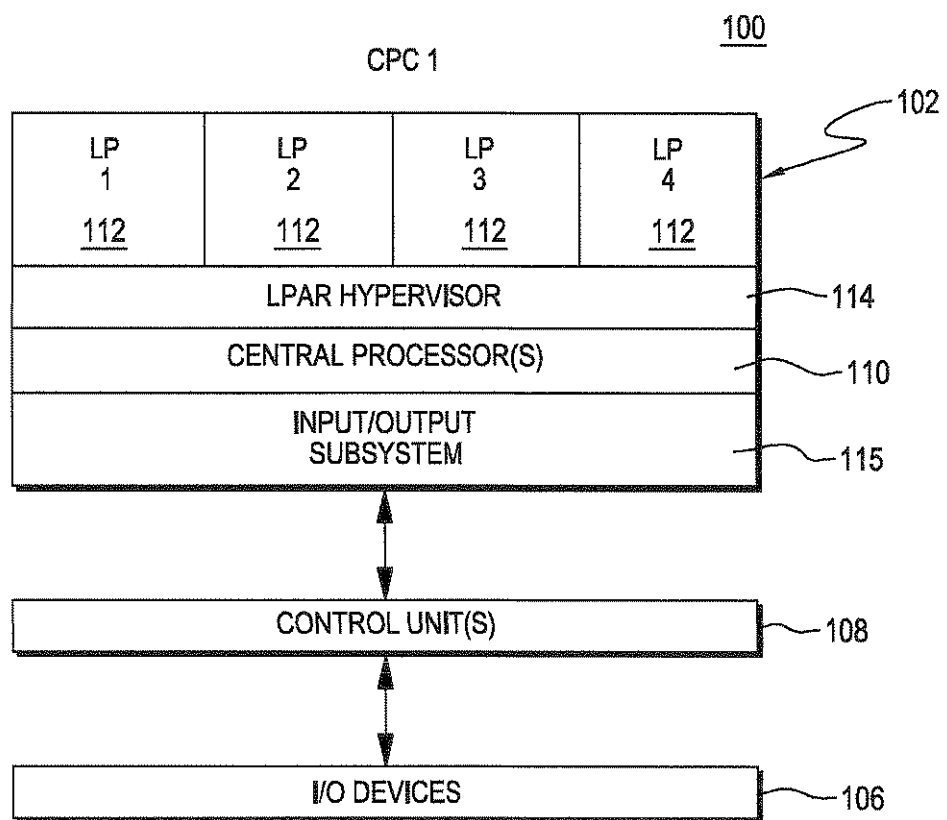


FIG. 1

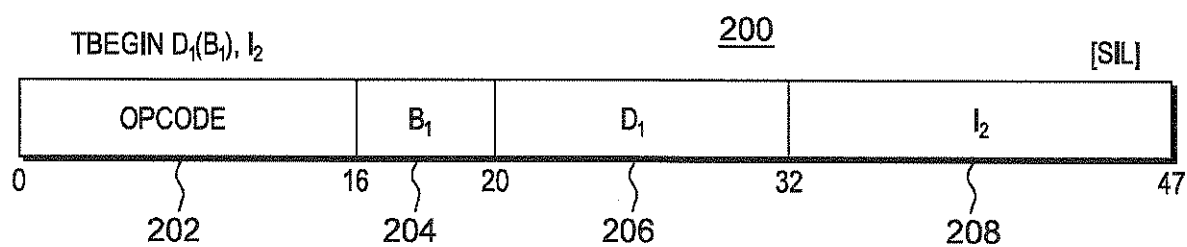


FIG. 2A

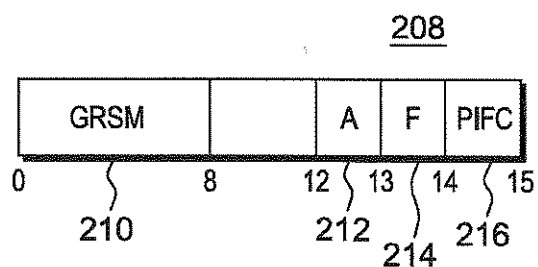


FIG. 2B

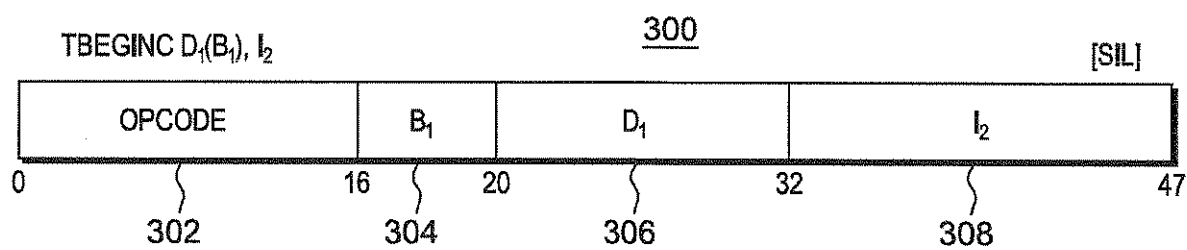


FIG. 3A

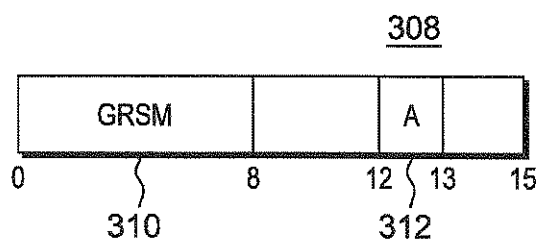


FIG. 3B

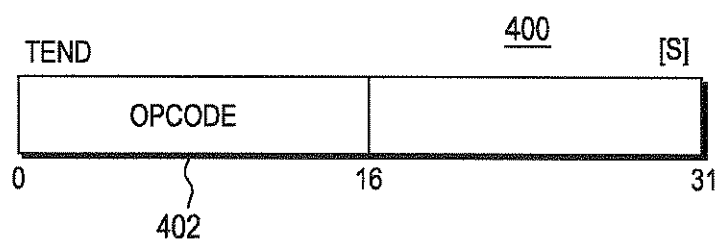


FIG. 4

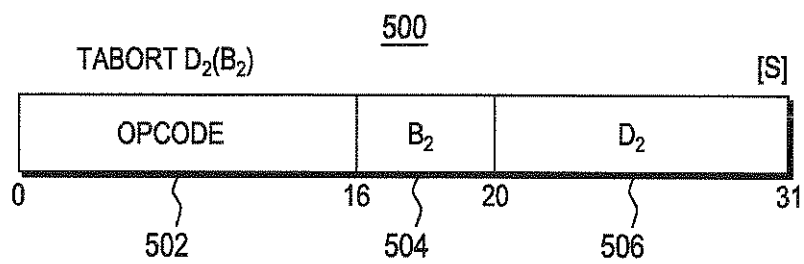


FIG. 5

NESTED TRANSACTIONS

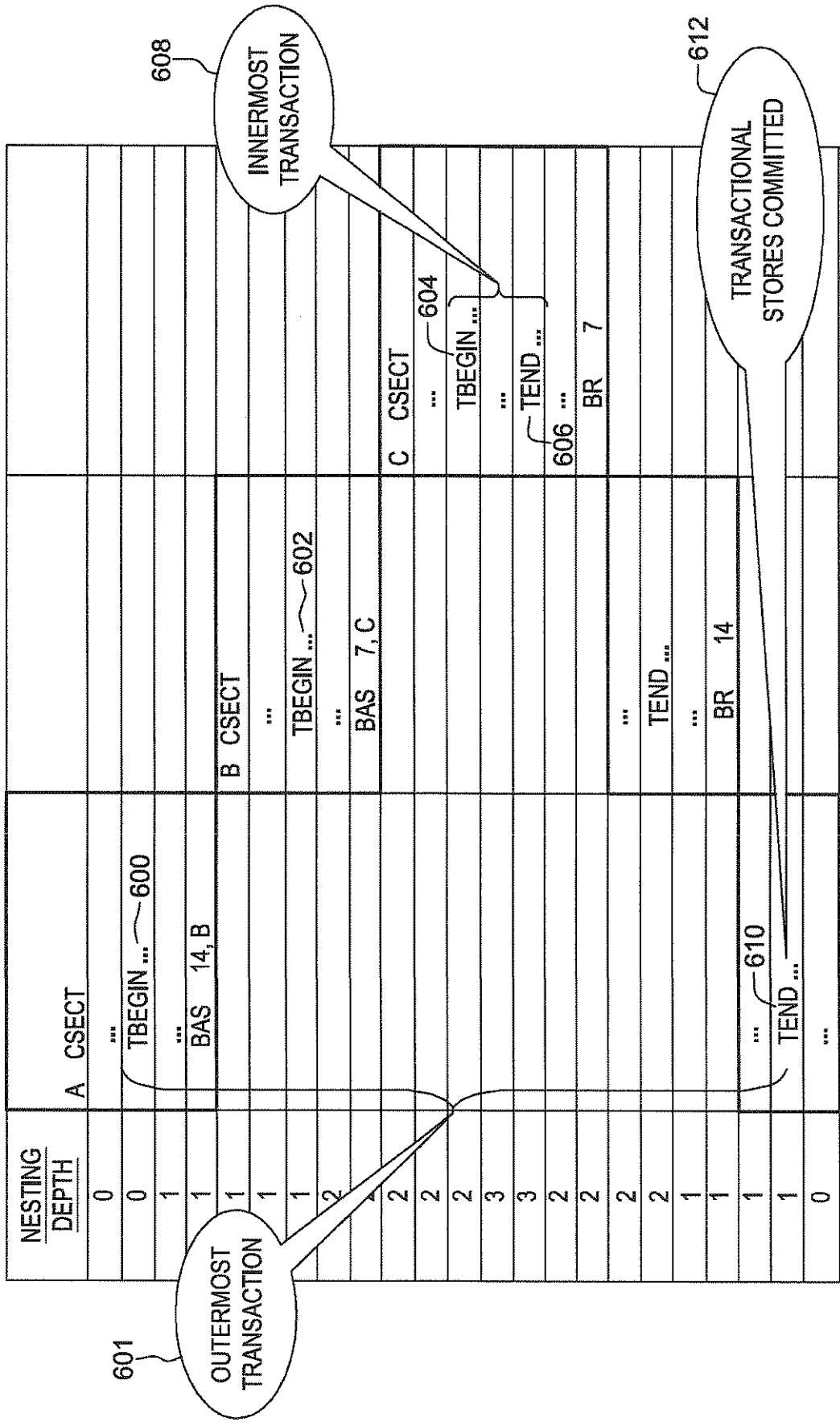


FIG. 6

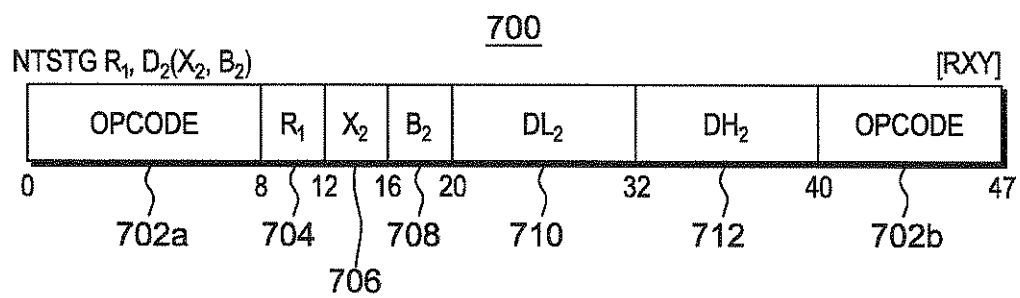


FIG. 7

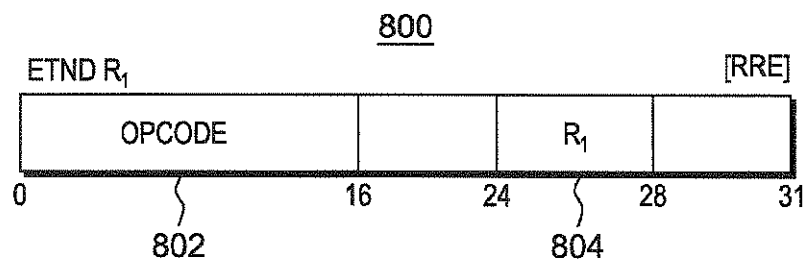


FIG. 8

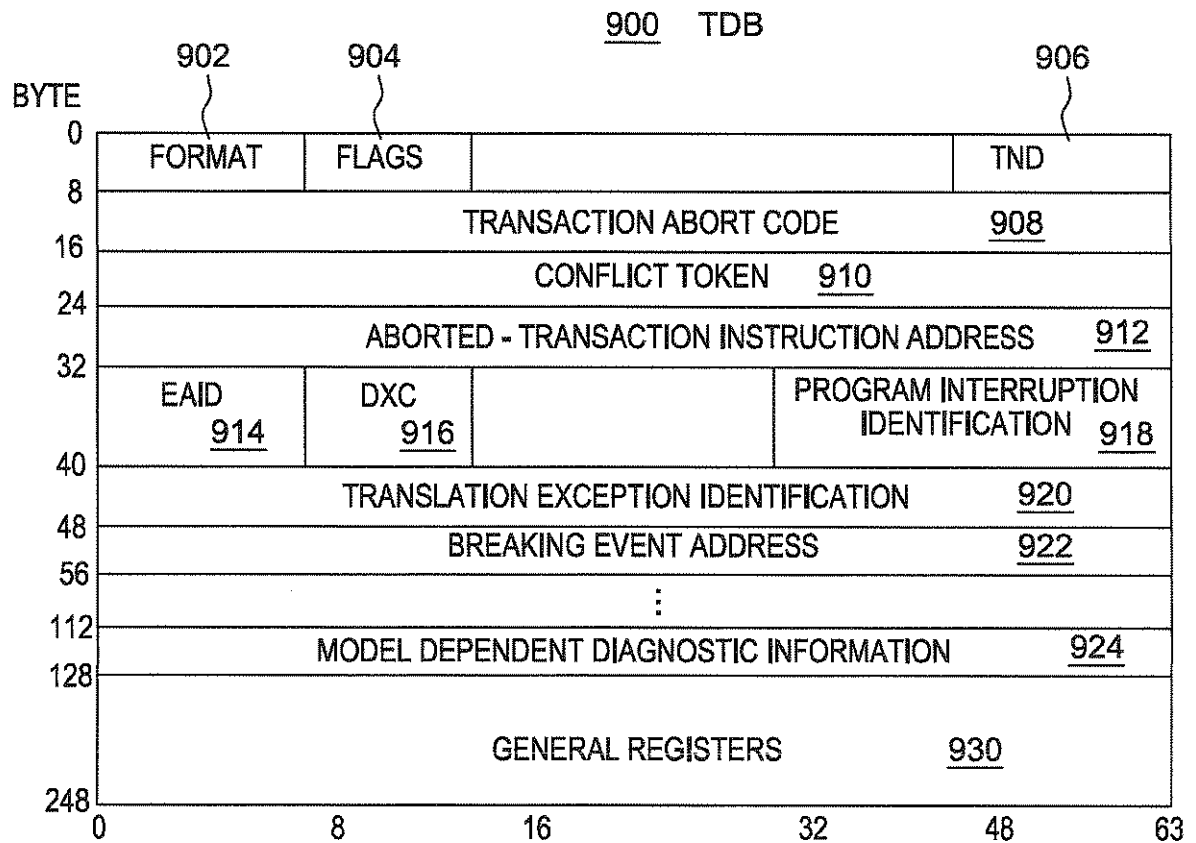


FIG. 9

CODE	REASON FOR ABORT	CC SET
2	EXTERNAL INTERRUPTION	2
4	PROGRAM INTERRUPTION (UNFILTERED)	2 OR 3 +
5	MACHINE - CHECK INTERRUPTION	2
6	I/O INTERRUPTION	2
7	FETCH OVERFLOW	2 OR 3
8	STORE OVERFLOW	2 OR 3
9	FETCH CONFLICT	2
10	STORE CONFLICT	2
11	RESTRICTED INSTRUCTION	3
12	PROGRAM EXCEPTION CONDITION (FILTERED)	3
13	NESTING DEPTH EXCEEDED	3
14	CACHE FETCH RELATED	2 OR 3
15	CACHE STORE RELATED	2 OR 3
16	CACHE OTHER	2 OR 3
255	MISCELLANEOUS CONDITION	2 OR 3
>255	TABORT INSTRUCTION	2 OR 3
‡	CANNOT BE DETERMINED; NO TDB STORED	1
EXPLANATION: + CONDITION CODE IS BASED ON INTERRUPTION CODE ‡ THIS SITUATION OCCURS WHEN A TRANSACTION ABORTS, BUT THE TDB HAS BECOME INACCESSIBLE SUBSEQUENT TO THE SUCCESSFUL EXECUTION OF THE OUTERMOST TBEGIN INSTRUCTION. NO TBEGIN SPECIFIED TDB IS STORED, AND THE CONDITION CODE IS SET TO 1.		

FIG. 10

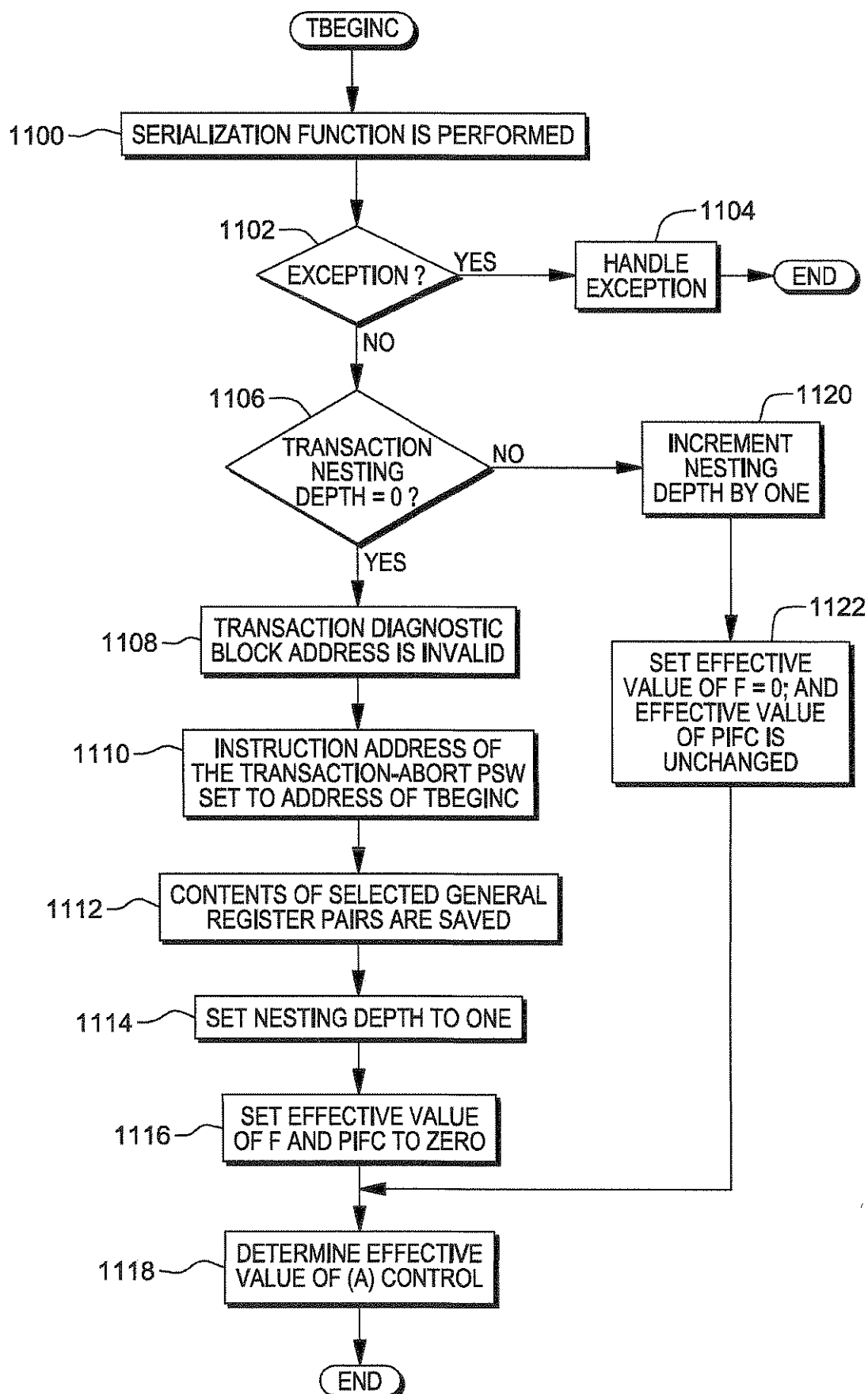


FIG. 11

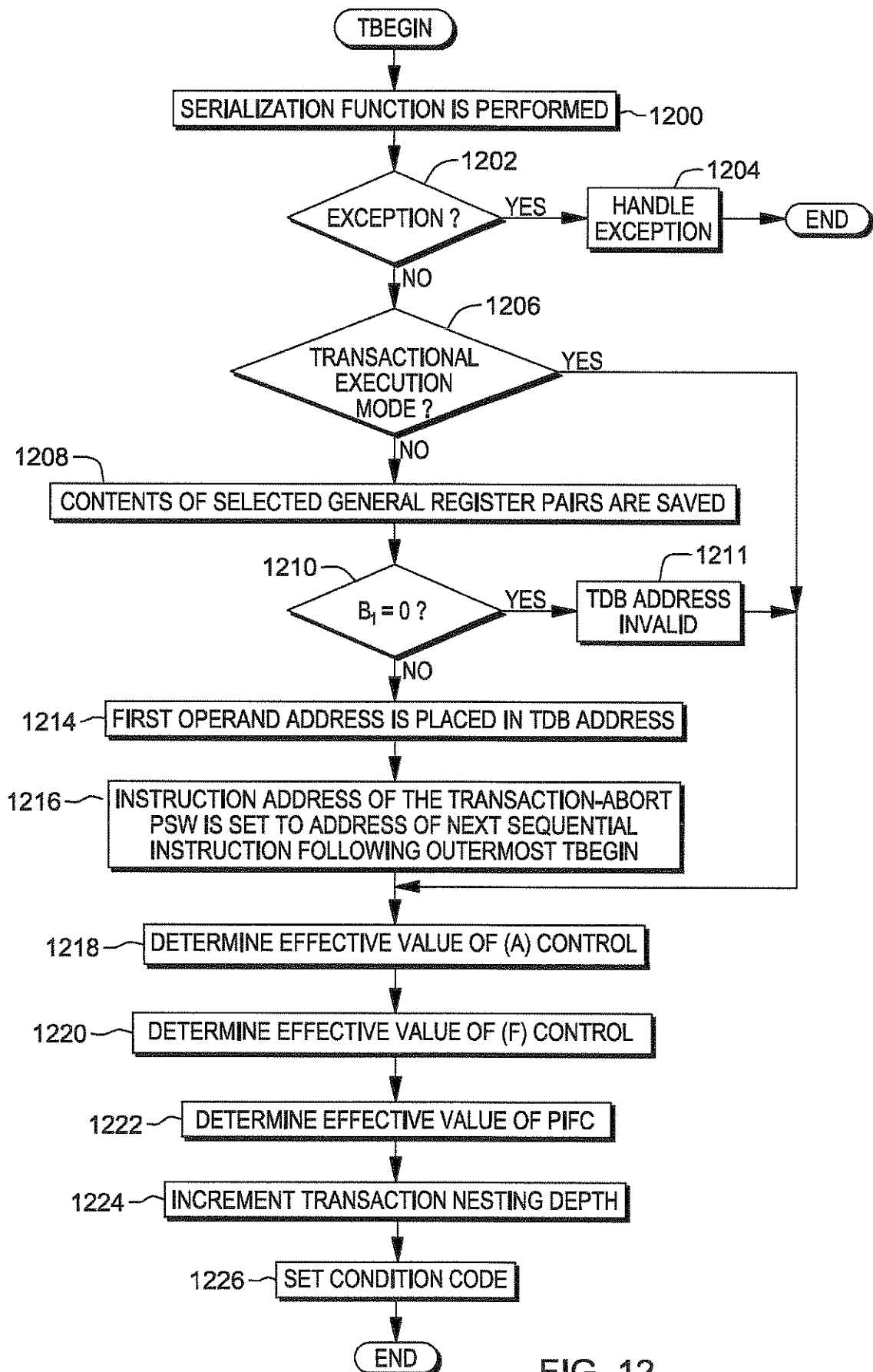


FIG. 12

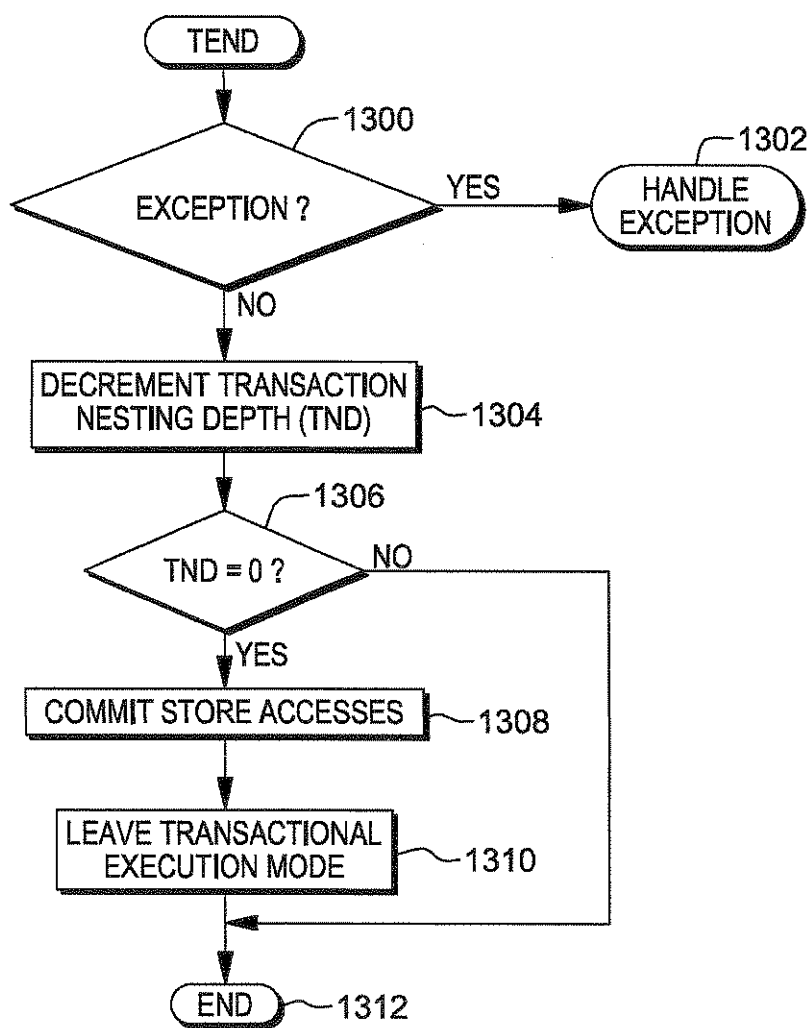


FIG. 13

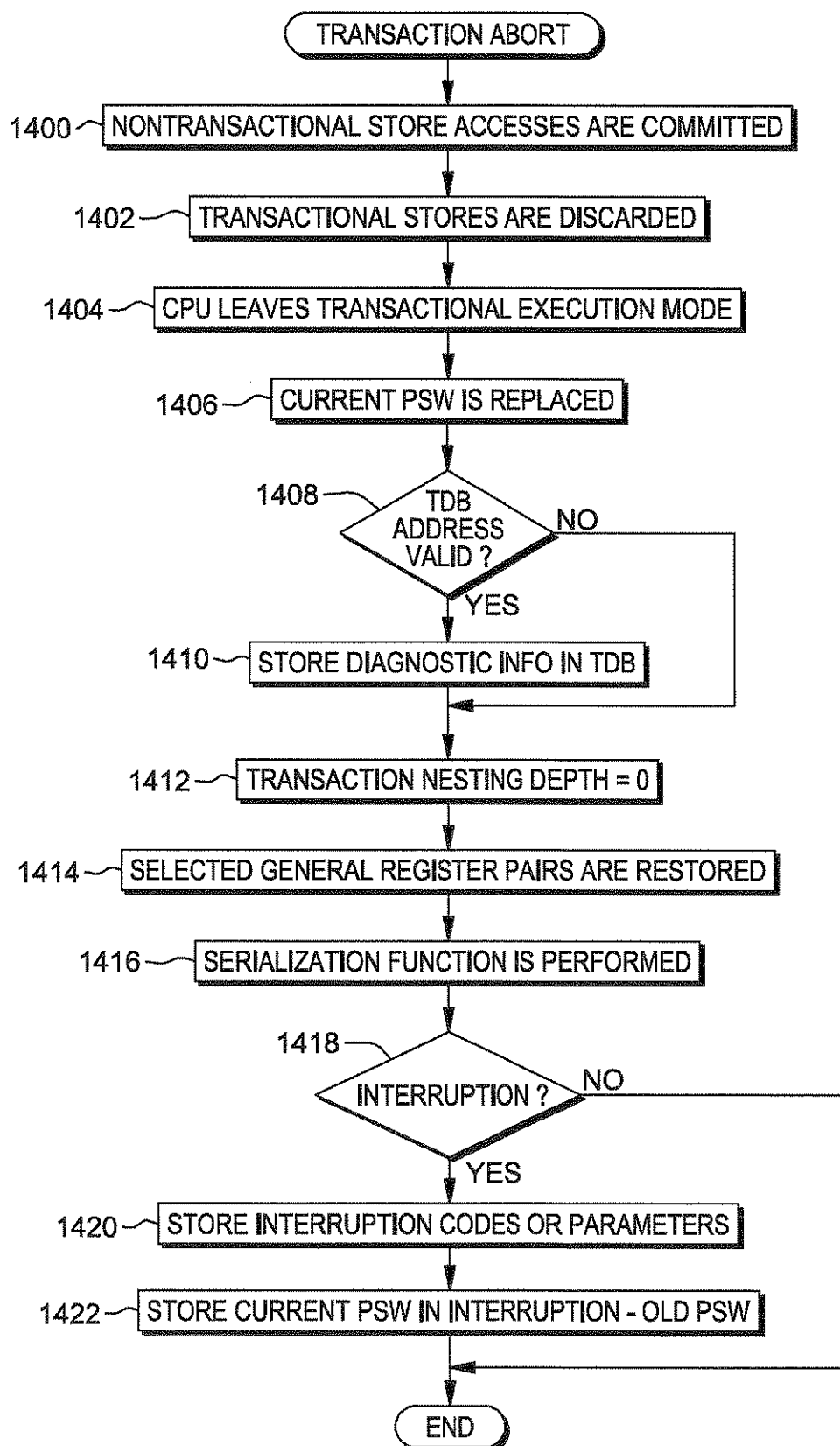


FIG. 14

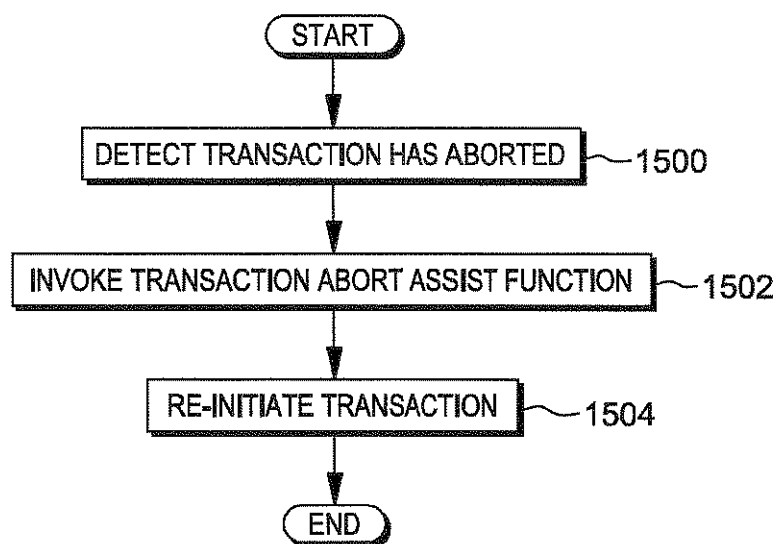


FIG. 15A

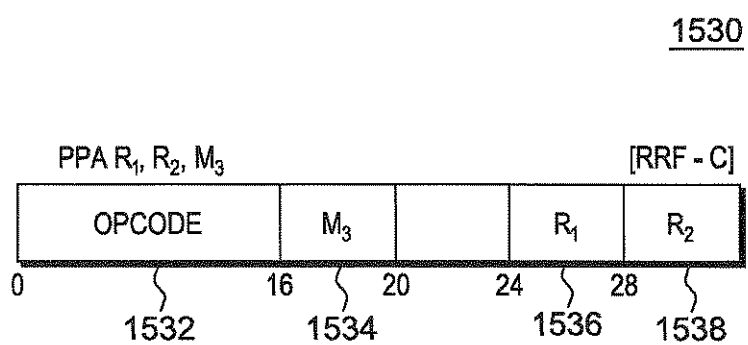


FIG. 15B

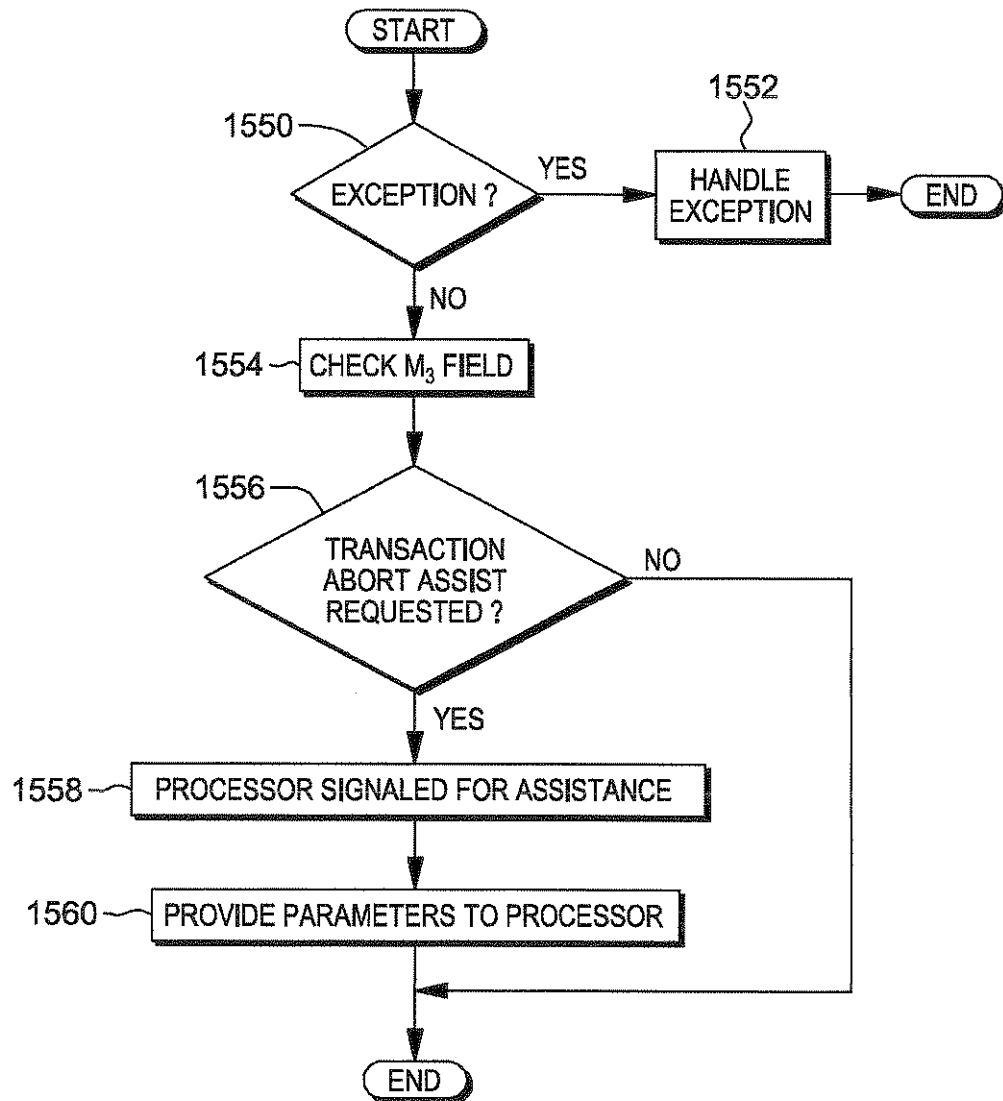


FIG. 15C

INSERTING AN ELEMENT INTO A DOUBLY-LINKED LIST (BEFORE)

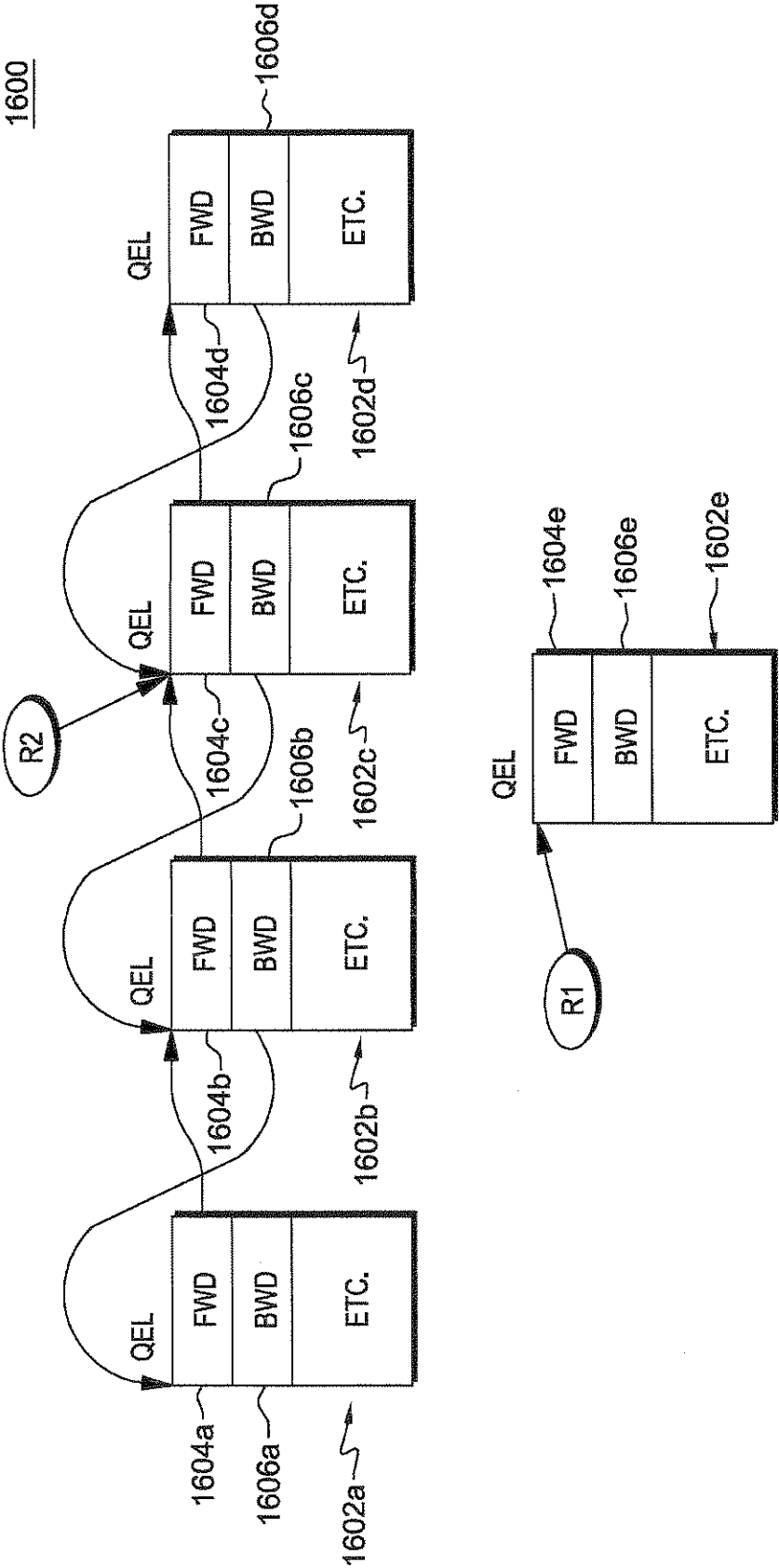


FIG. 16A

INSERTING AN ELEMENT INTO A DOUBLY-LINKED LIST (AFTER)

COMPUTER
PROGRAM
PRODUCT
1700

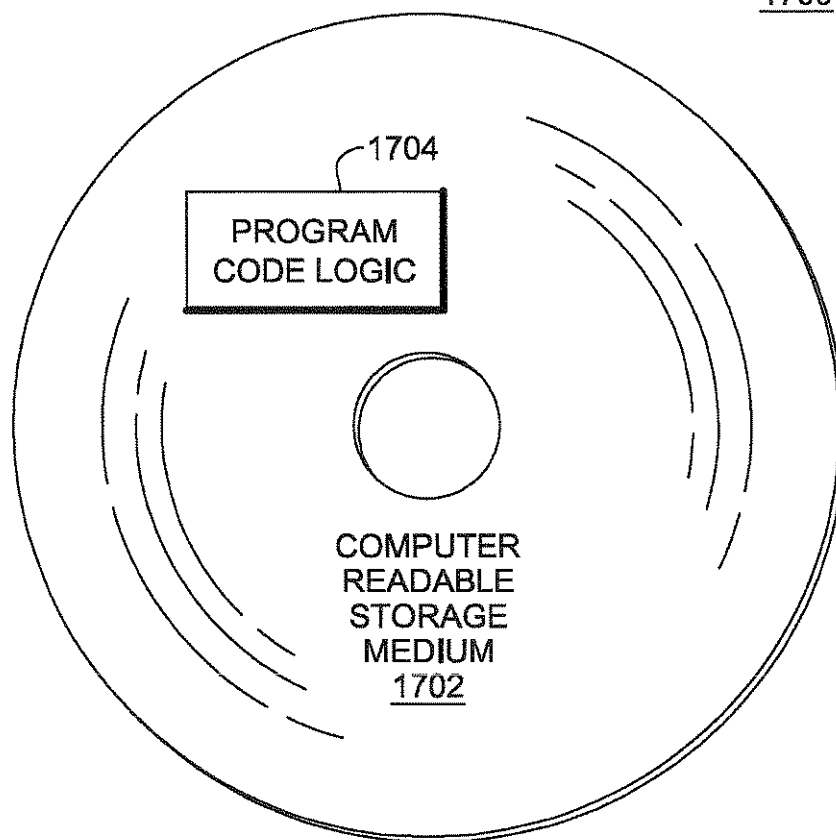
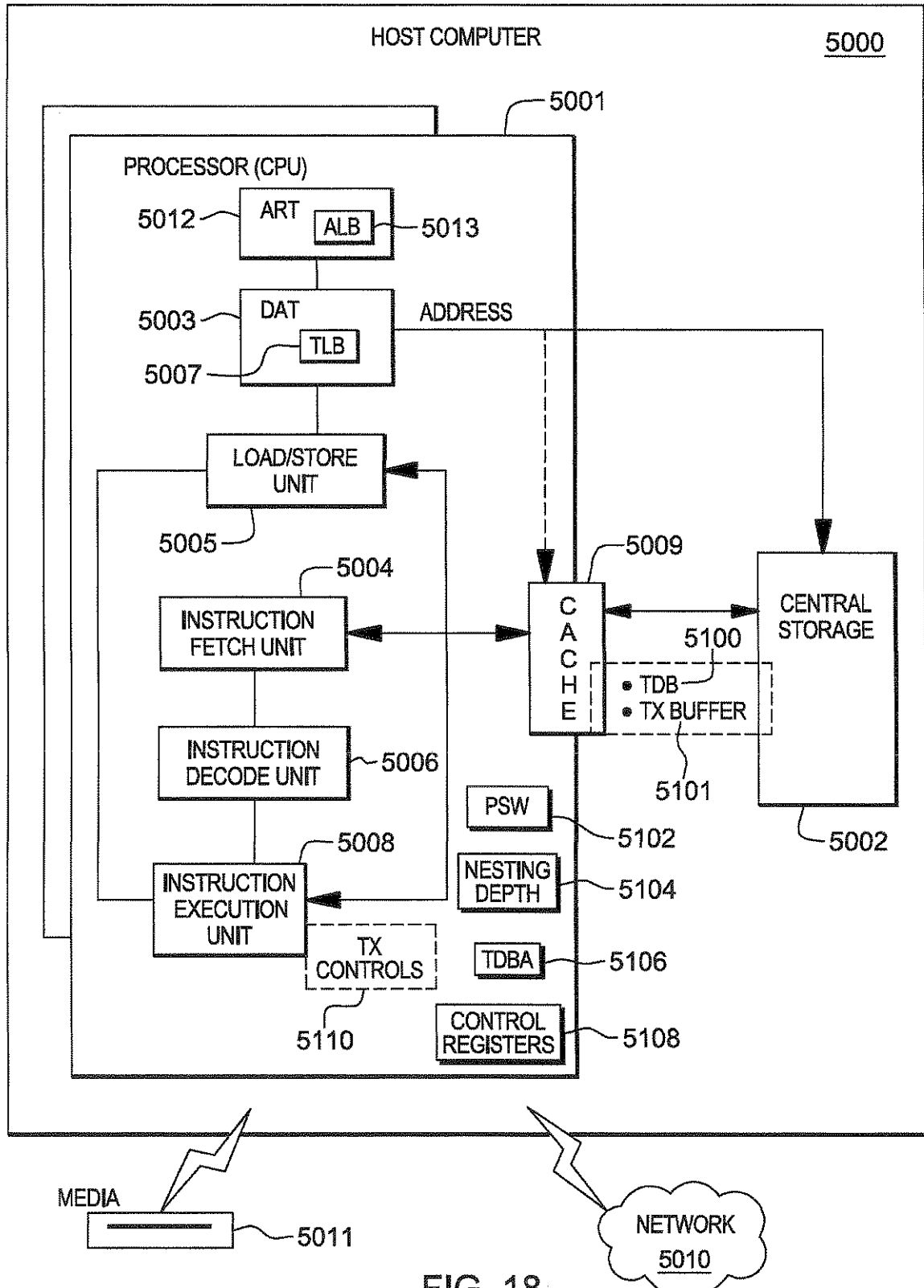


FIG. 17



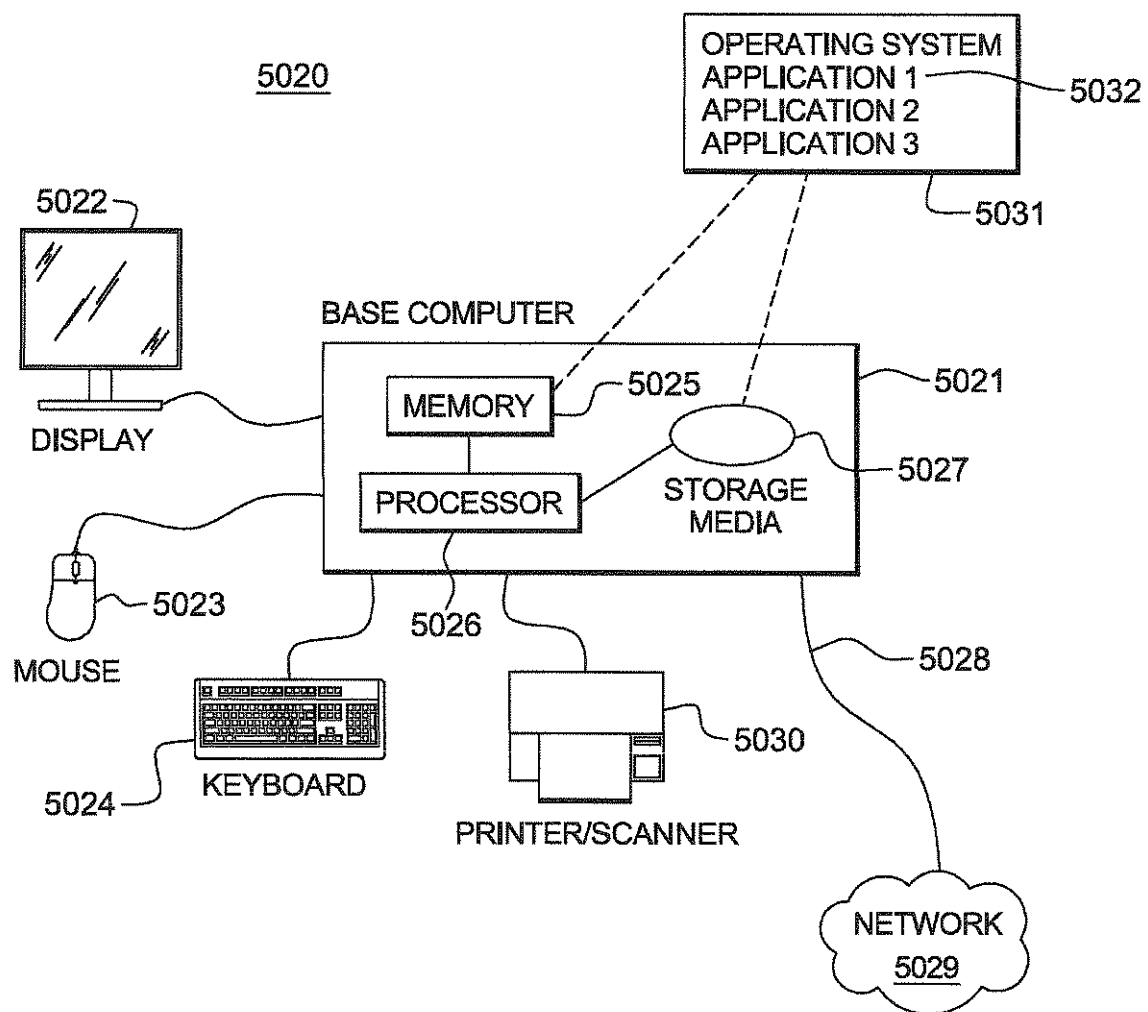


FIG. 19

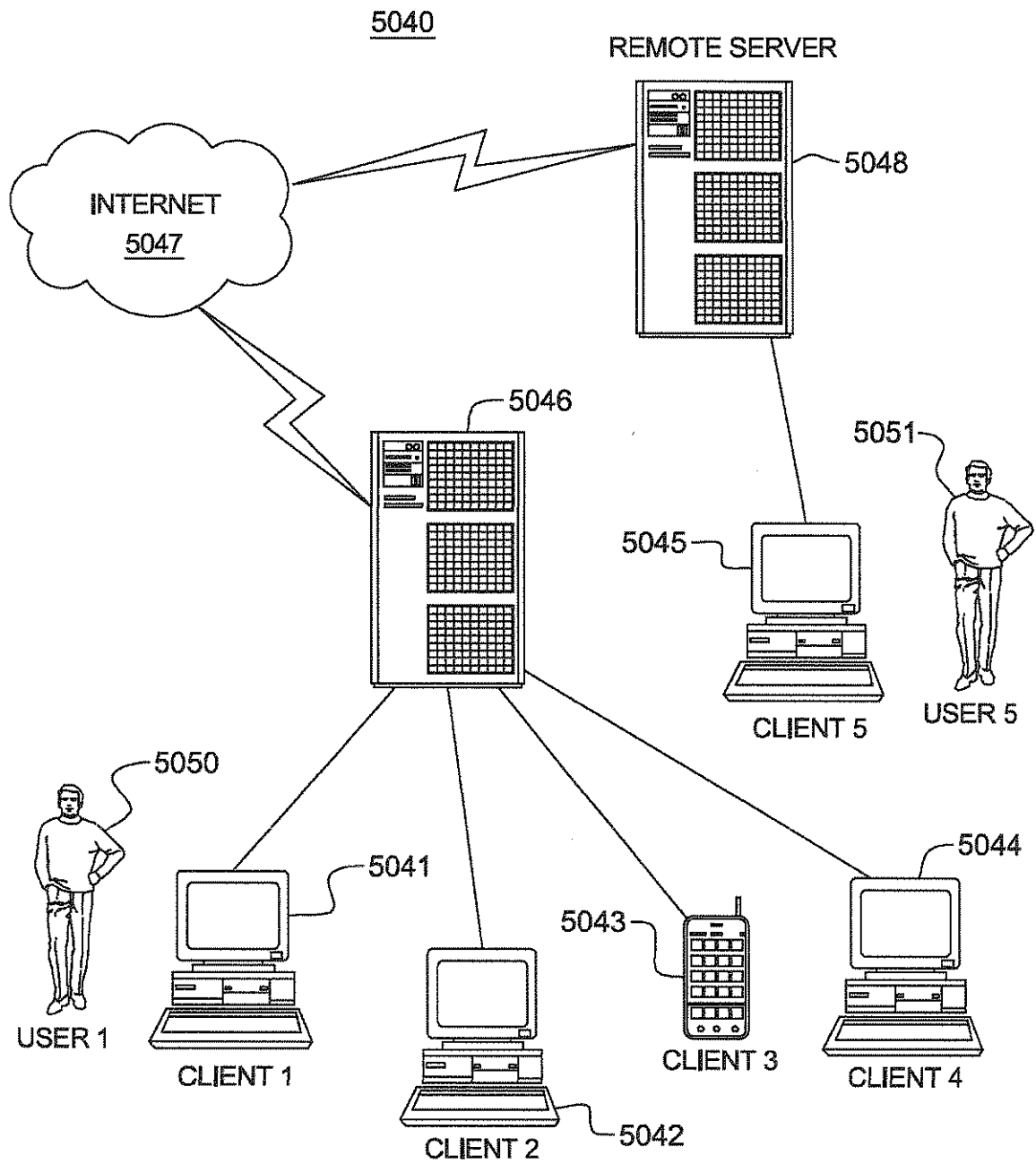


FIG. 20

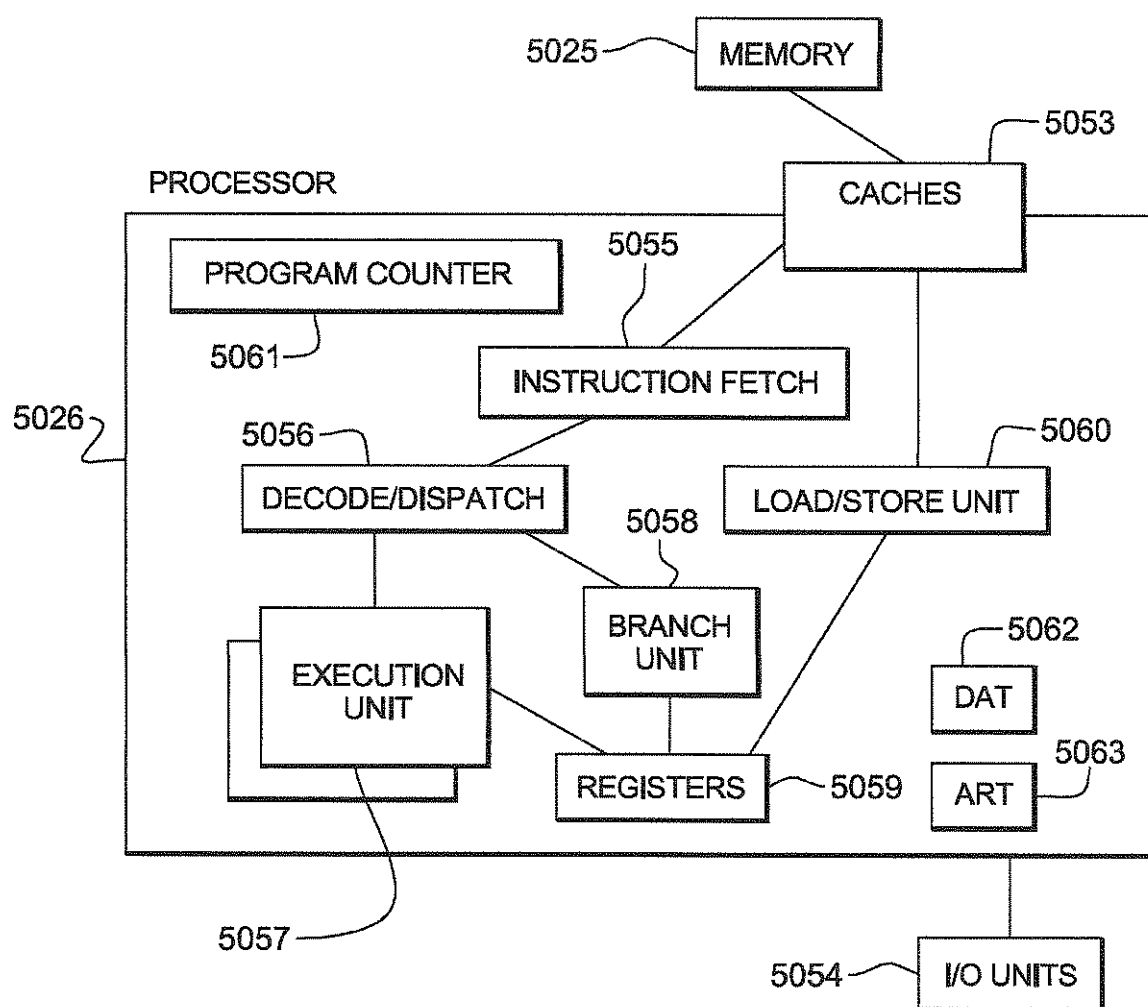


FIG. 21

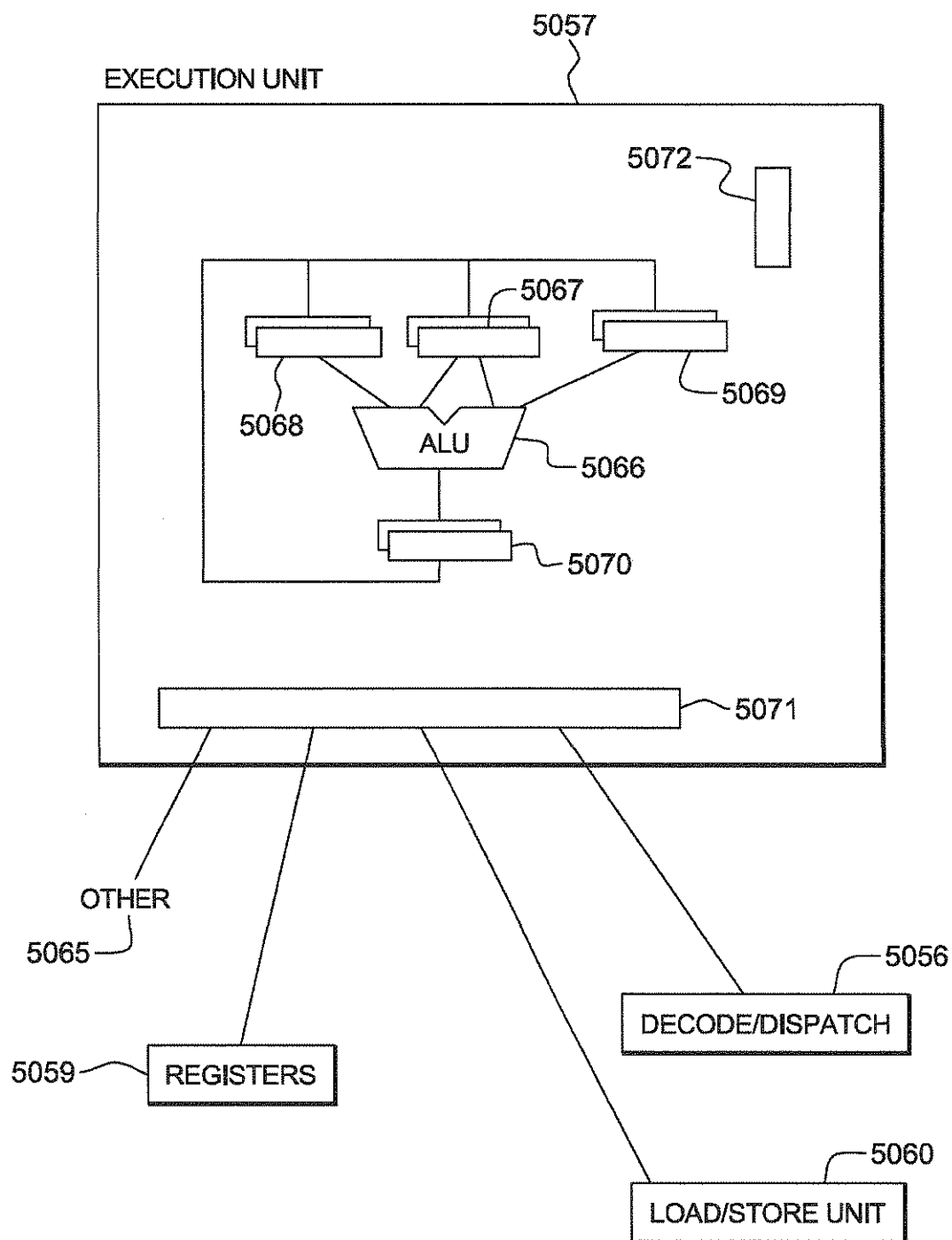


FIG. 22A

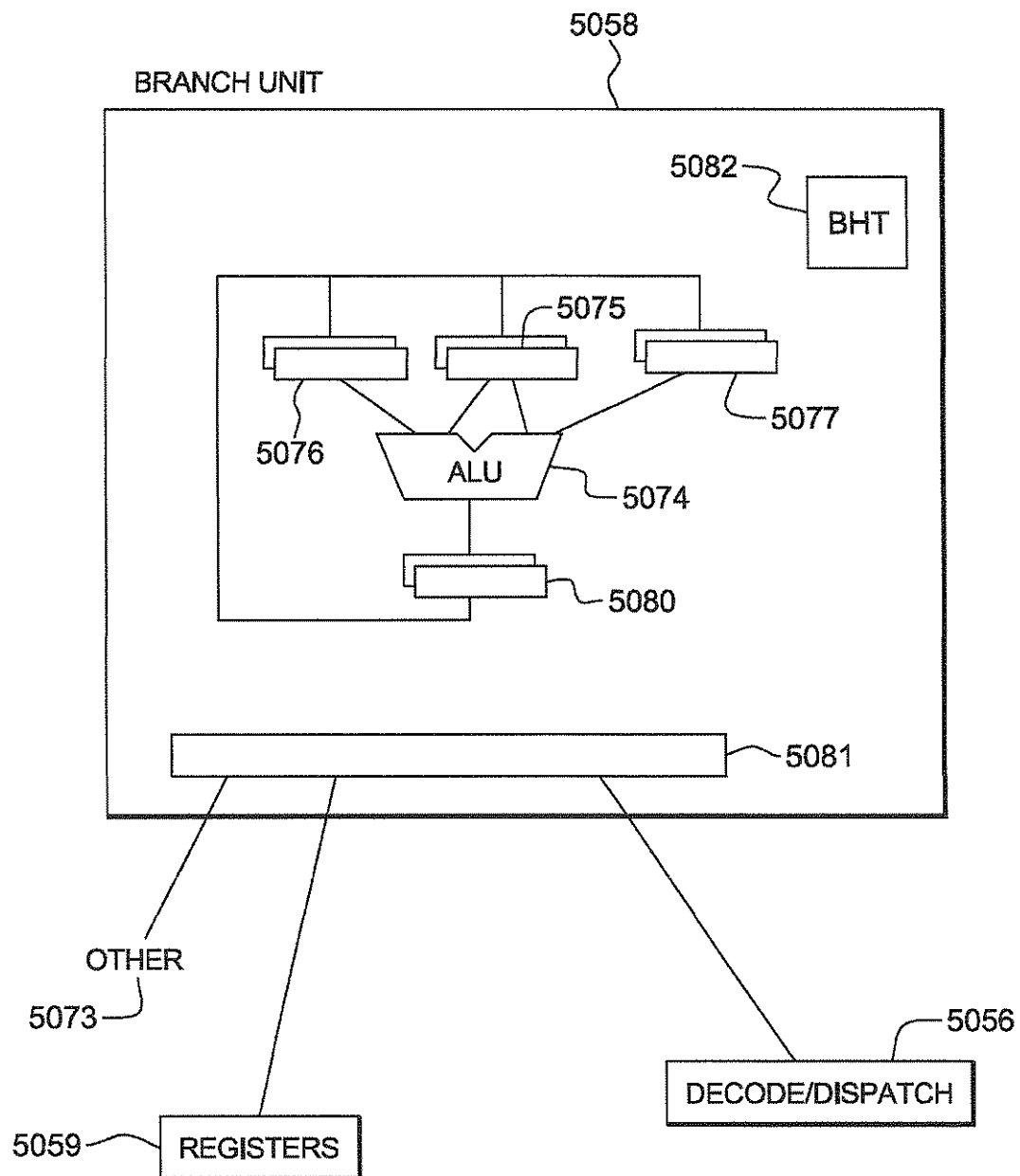


FIG. 22B

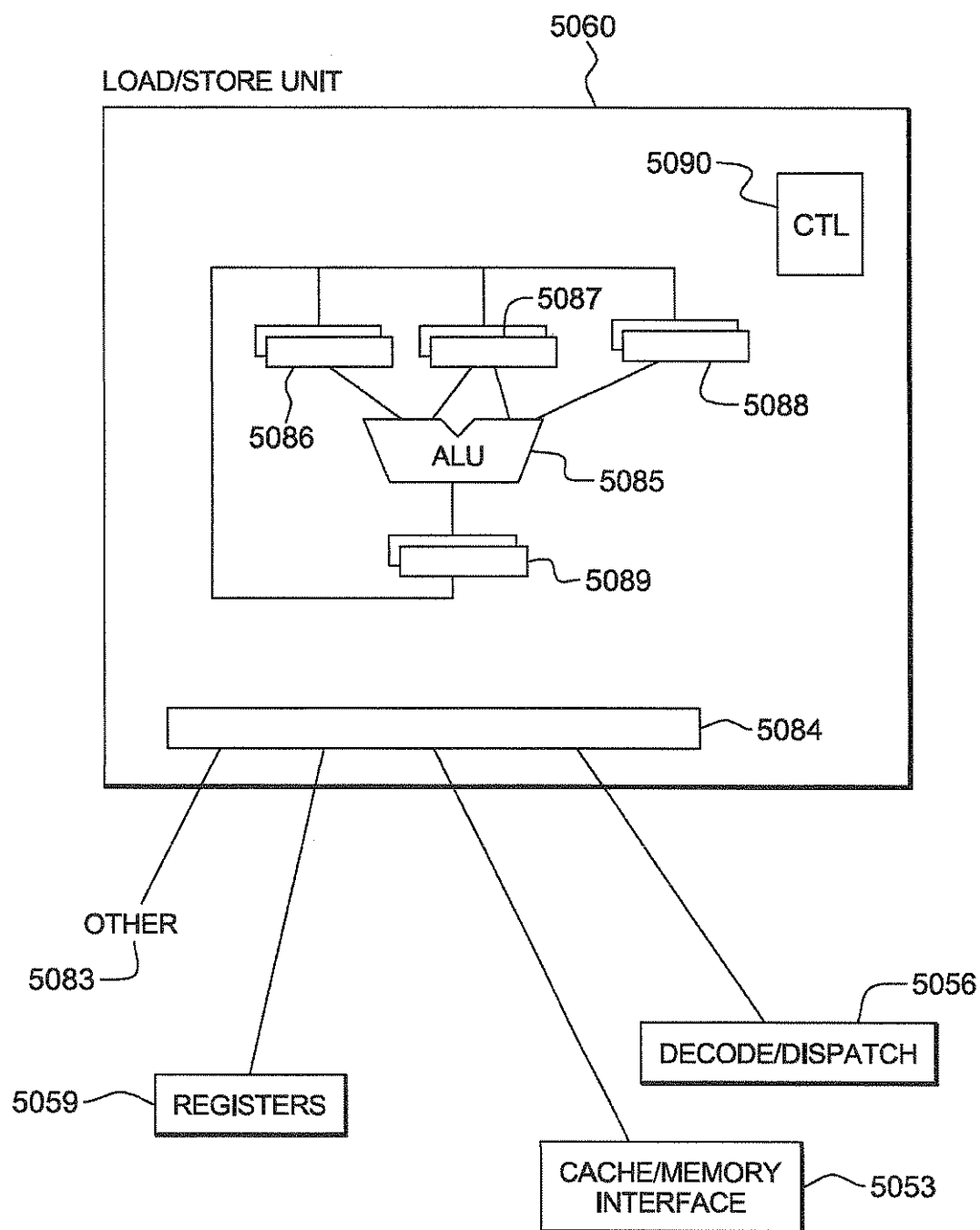


FIG. 22C

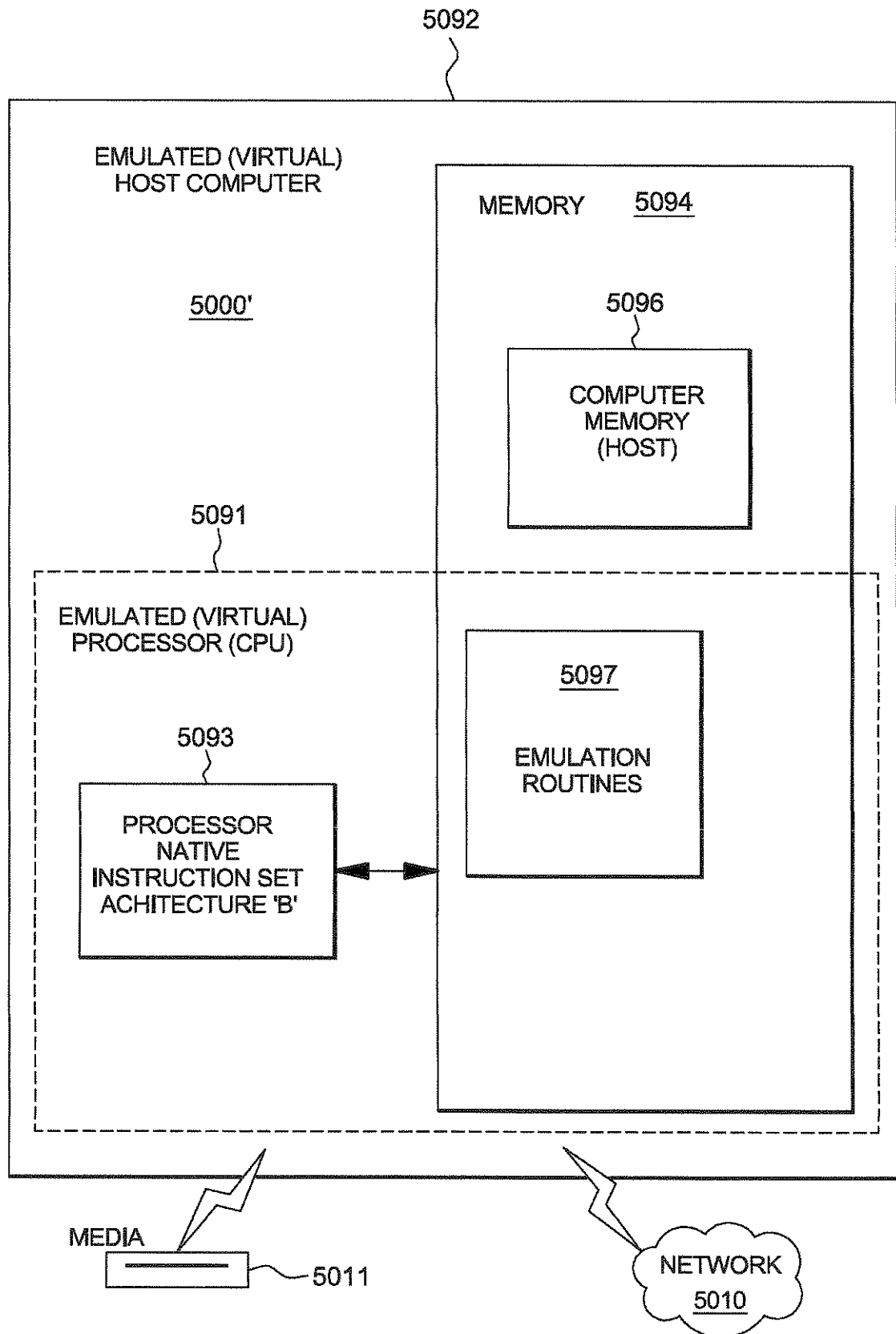


FIG. 23