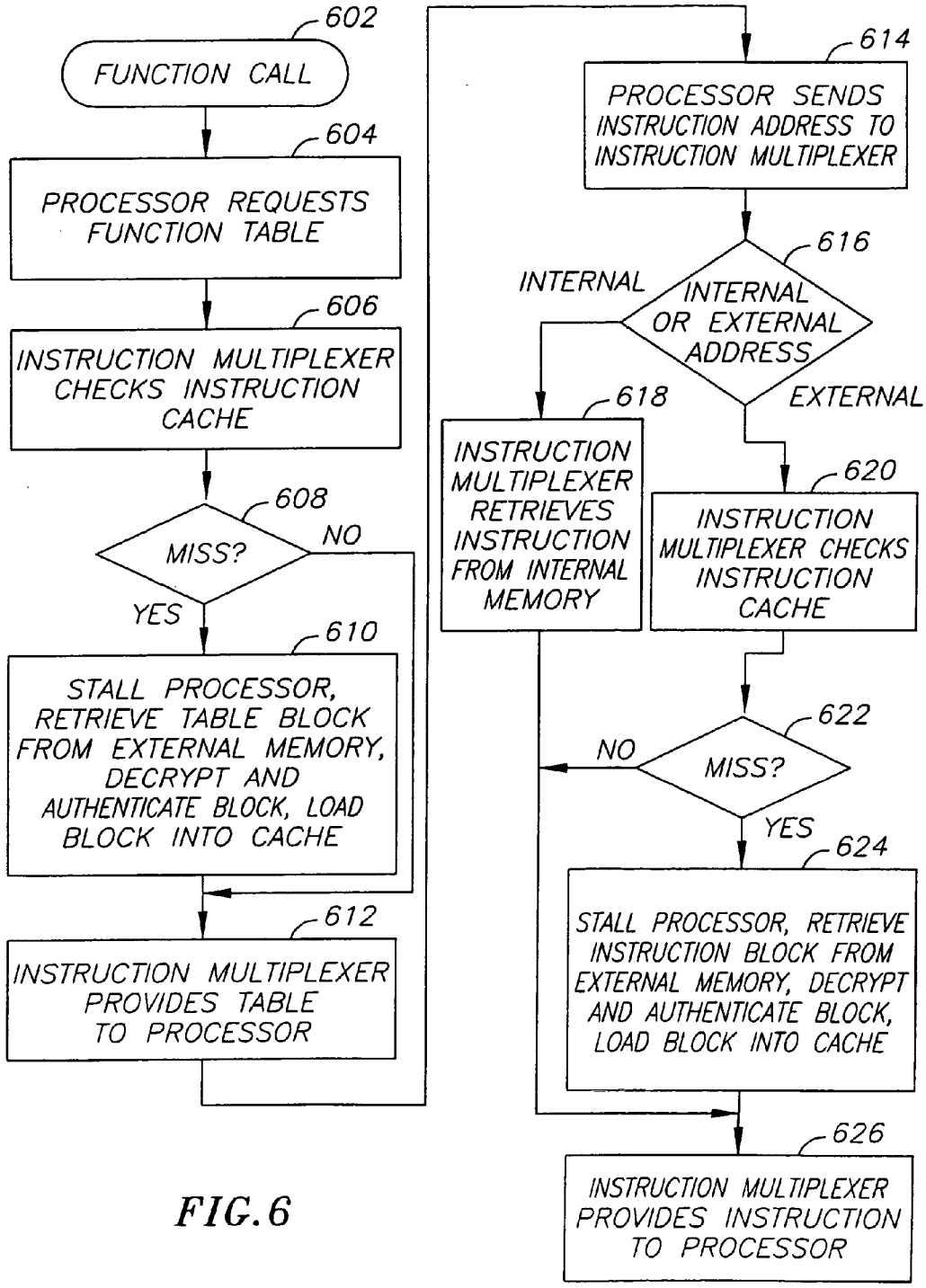
602
FUNCTION CALL
604
PROCESSOR REQUESTS FUNCTION TABLE
606
INSTRUCTION MULTIPLEXER CHECKS INSTRUCTION CACHE
608
MISS?
NO
YES
610
STALL PROCESSOR, RETRIEVE TABLE BLOCK FROM EXTERNAL MEMORY, DECRYPT AND AUTHENTICATE BLOCK, LOAD BLOCK INTO CACHE
612
INSTRUCTION MULTIPLEXER PROVIDES TABLE TO PROCESSOR
614
PROCESSOR SENDS INSTRUCTION ADDRESS TO INSTRUCTION MULTIPLEXER
616
INTERNAL
INTERNAL OR EXTERNAL ADDRESS
EXTERNAL
618
INSTRUCTION MULTIPLEXER RETRIEVES INSTRUCTION FROM INTERNAL MEMORY
620
INSTRUCTION MULTIPLEXER CHECKS INSTRUCTION CACHE
622
NO
MISS?
YES
624
STALL PROCESSOR, RETRIEVE INSTRUCTION BLOCK FROM EXTERNAL MEMORY, DECRYPT AND AUTHENTICATE BLOCK, LOAD BLOCK INTO CACHE
626
INSTRUCTION MULTIPLEXER PROVIDES INSTRUCTION TO PROCESSOR

FIG. 6