DEFENSIVE PUBLICATION

UNITED STATES PATENT AND TRADEMARK OFFICE

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Defensive Publication applications have not been examined as to the merits of alleged invention. The Patent and Trademark Office makes no assertion as to the novelty of the disclosed subject matter.

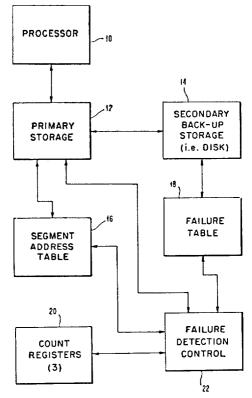
PUBLISHED MARCH 4, 1975

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T932,005

DETECTION OF POSSIBLY ERRONEOUS SEGMENTS FOLLOWING FAILURES IN PRIMARY
STORAGE

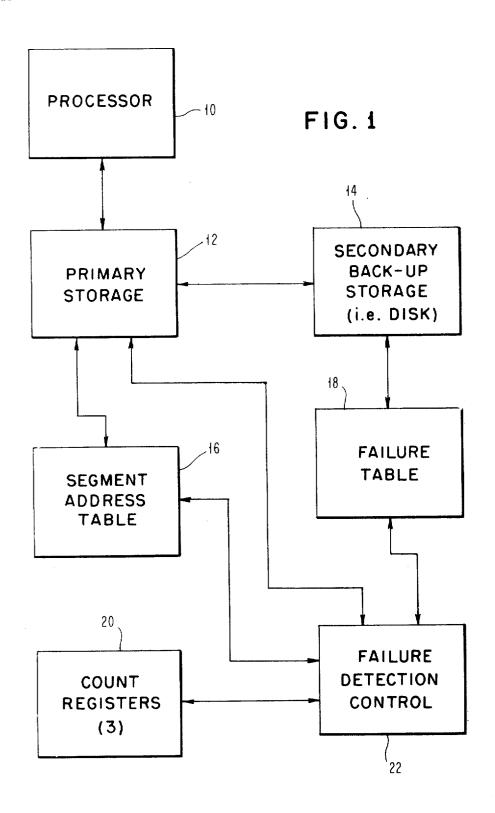
Vincent J. Kruskal, Ossining, N.Y., assignor to International Business Machines Corporation, Armonk, N.Y.
Filed Dec. 28, 1973, Ser. No. 429,303
Int. Cl. G06f 11/06; G11c 29/00
U.S. Cl. 235—153 AM
15 Sheets Drawing. 23 Pages Specification



A method for detecting possibly erroneous memory segments in a hierarchical memory system having at least a primary and secondary back-up memory following failure in the primary storage of said system. The method generally includes keeping certain statistical data concerning the transfer of data segments into and out of said primary storage whereby automatic validity checking procedures can be performed to determine the probable accuracy of the current contents of said primary memory.

FAILURES IN PRIMARY STORAGE

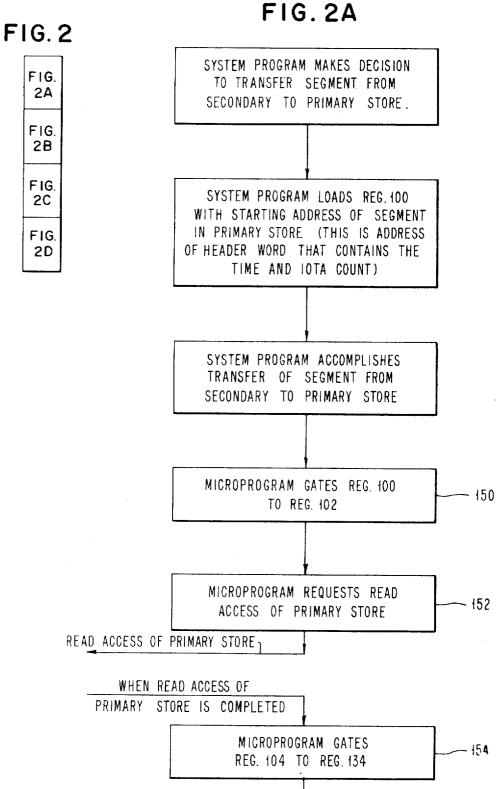
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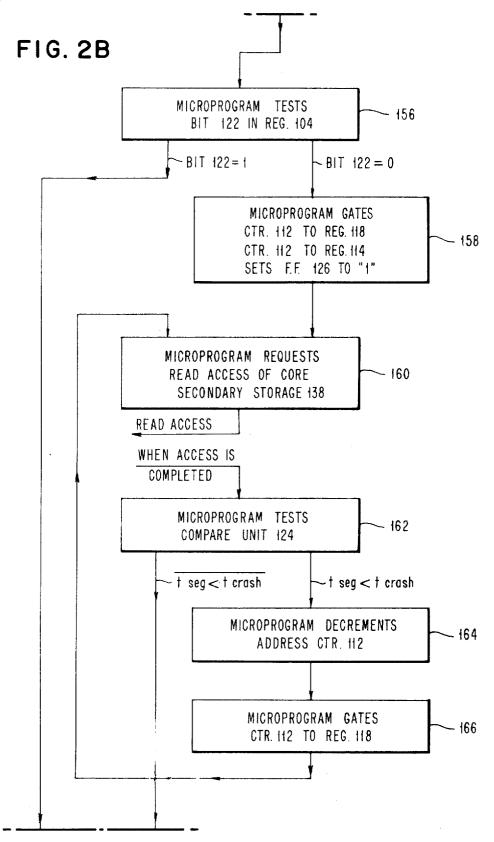
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DETECTION OF POSSIBLY ERRONEOUS SEGMENTS FOLLOWING
FAILURES IN PRIMARY STORAGE

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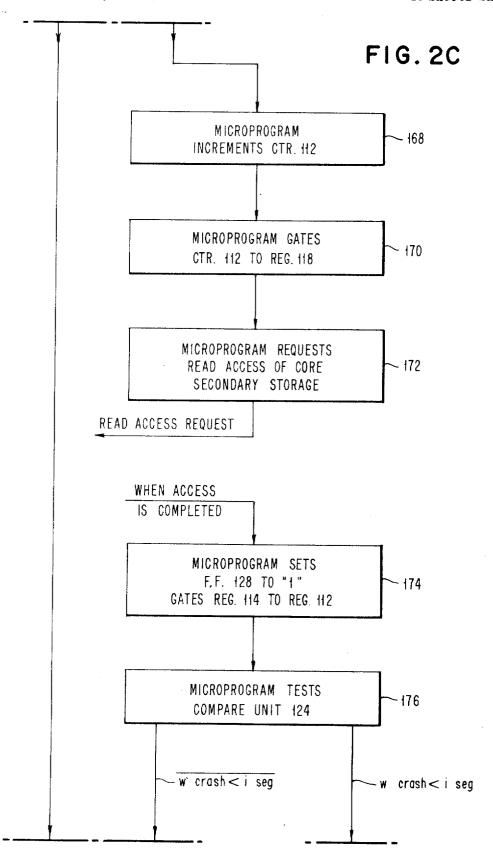


DETECTION OF POSSIBLY ERRONEOUS SEGMENTS FOLLOWING FAILURES IN PRIMARY STORAGE T932,005 March 4, 1975

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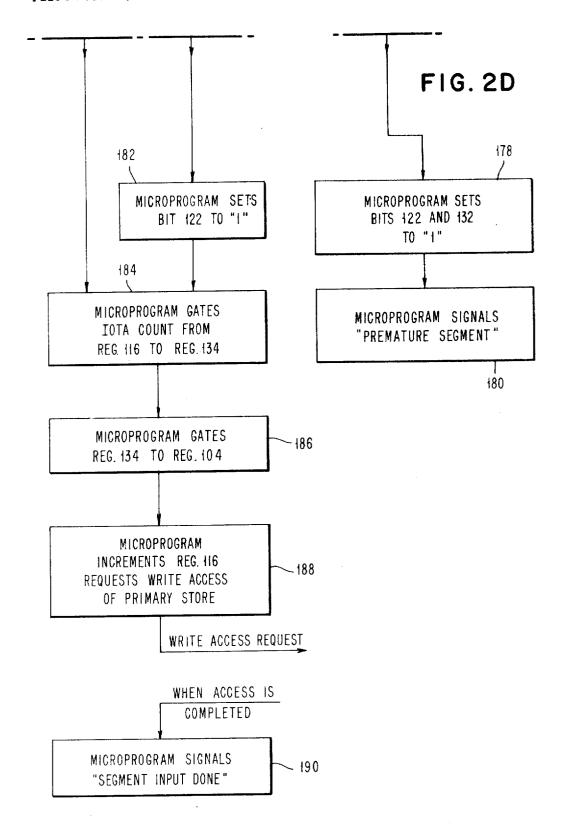
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DETECTION OF POSSIBLY ERRONEOUS SEGMENTS FOLLOWING FAILURES IN PRIMARY STORAGE

15 Sheets-Sheet 5

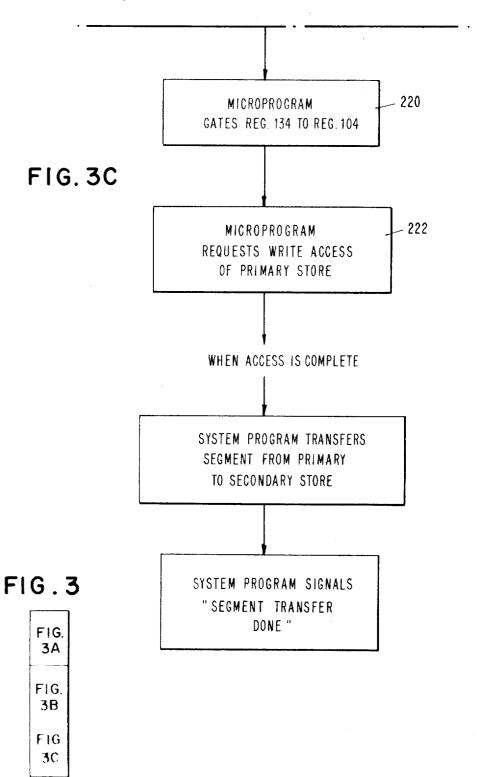
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DETECTION OF POSSIBLY ERRONEOUS SEGMENTS FOLLOWING
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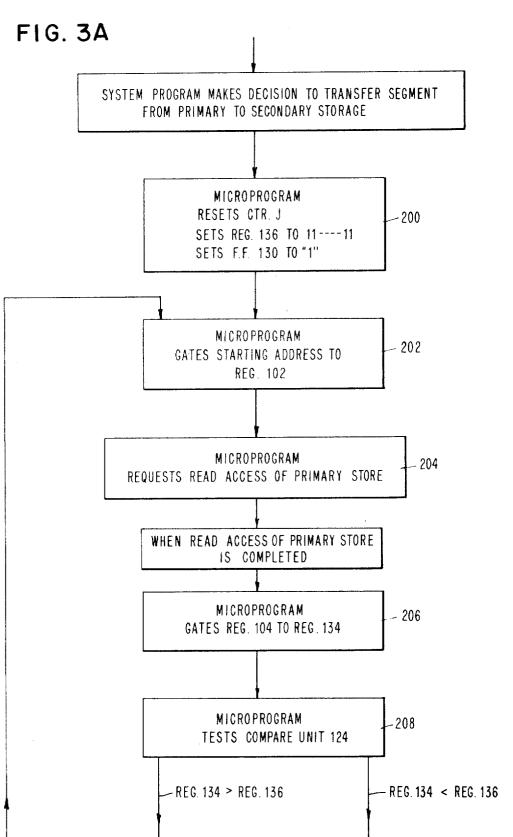
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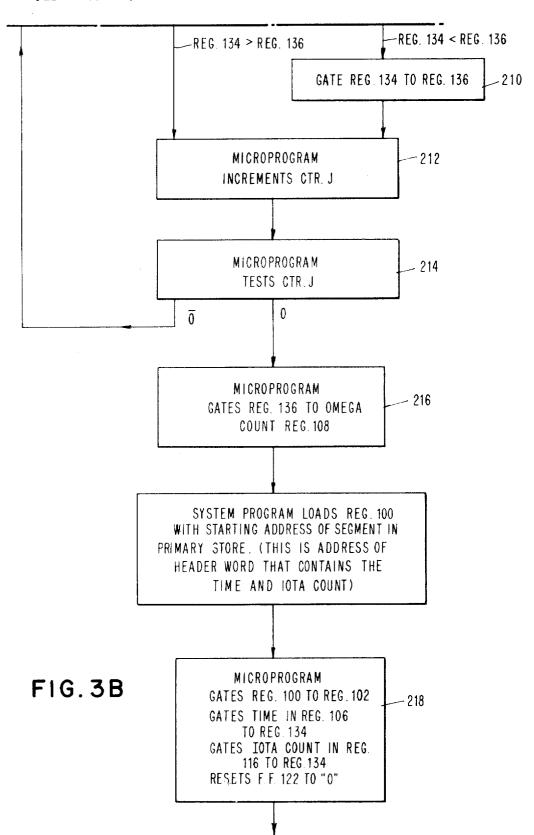
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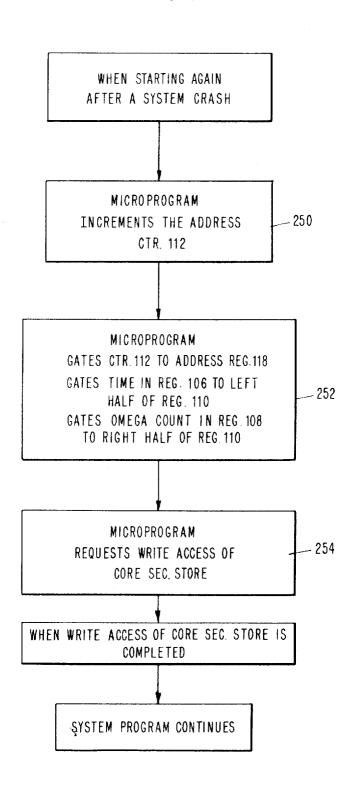
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FAILURES IN PRIMARY STORAGE

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15 Sheets-Sheet 9

FIG. 4



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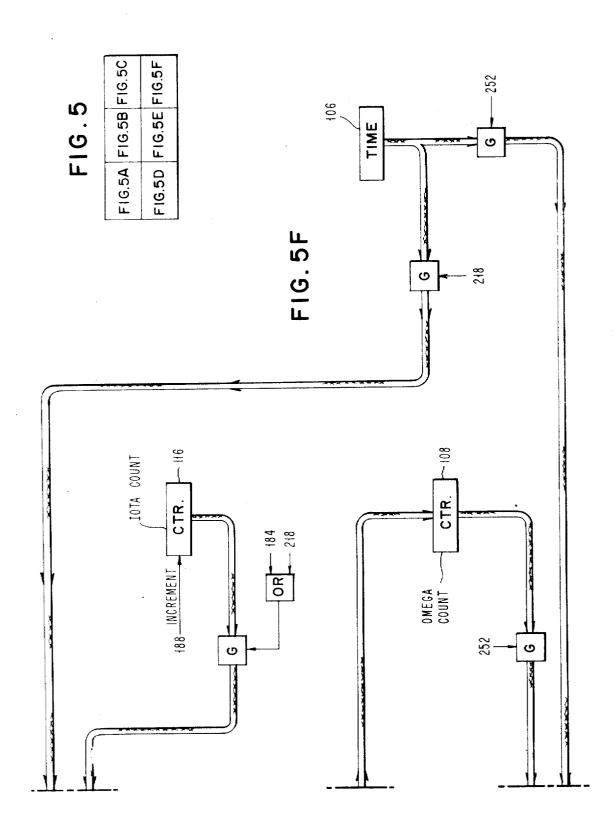
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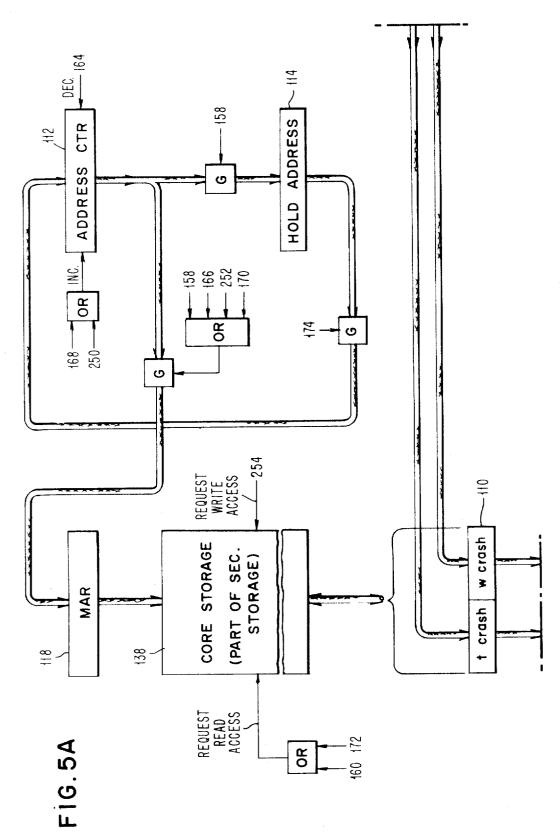
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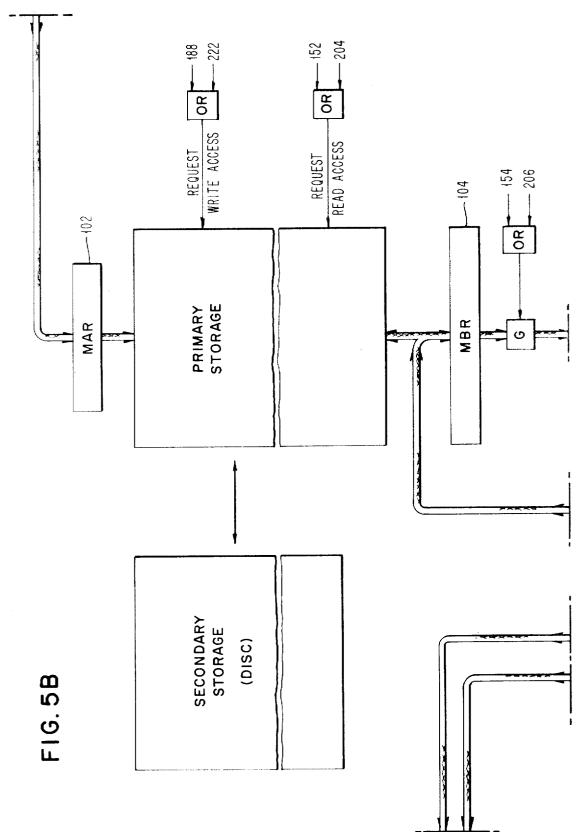
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OUTECTION OF POSSIBLY ERRONEOUS SEGMENTS FOLLOWING

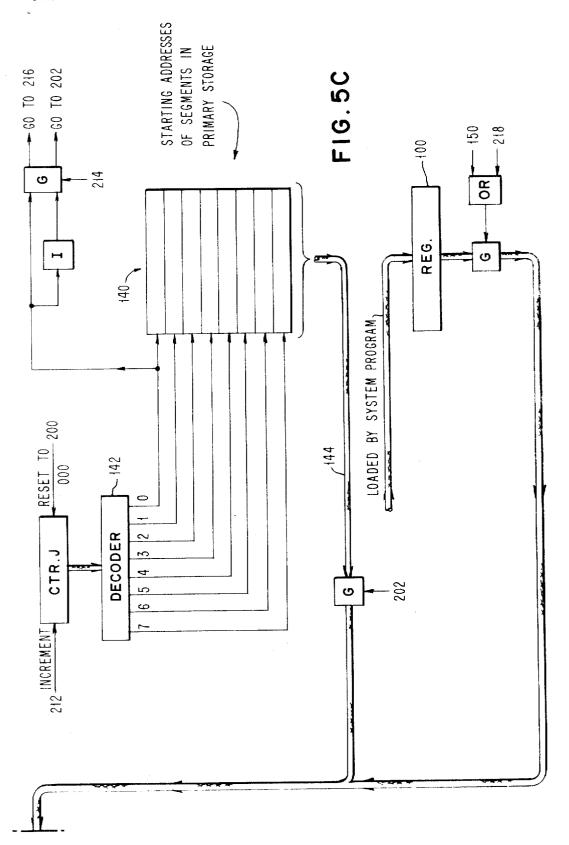
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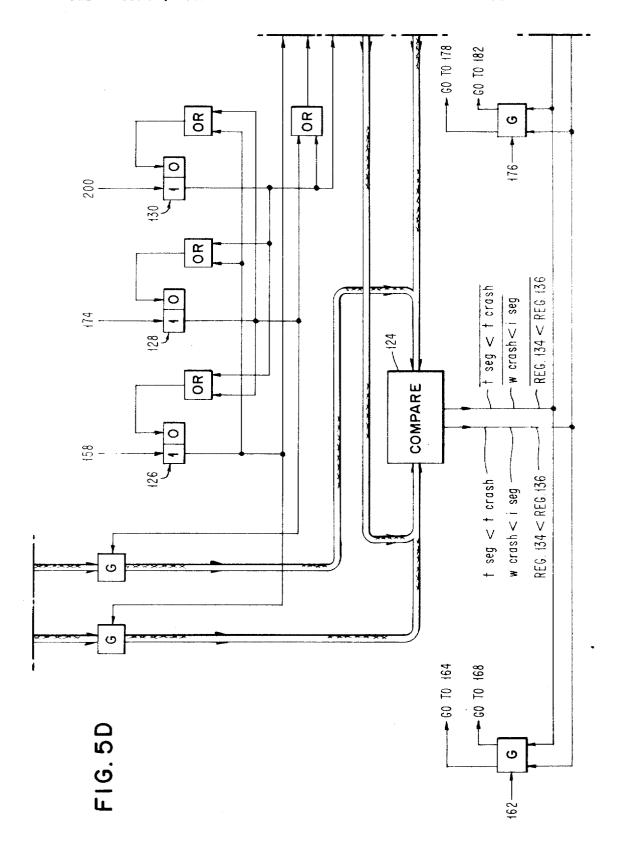


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DETECTION OF POSSIBLY ERRONEOUS SEGMENTS FOLLOWING FAILURES IN PRIMARY STORAGE

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DETECTION OF POSSIBLY ERRONEOUS SEGMENTS FOLLOWING

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FOLLOWING

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