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- (54) **Title:** TRI-COLOR BITMAP ARRAY FOR GARBAGE COLLECTION

(57) **Abstract:** A first object at a memory address is identified. A first index location in a bitmap that corresponds to that memory address is calculated. A bit is set at the first index location. A pointer to a child object within the first object is detected. A memory address of that child object is identified using the pointer. A second index location in the bitmap that corresponds to that memory address is calculated. A bit is set at the second index location. A bit is also set at a third index location, which is adjacent to the first index location.

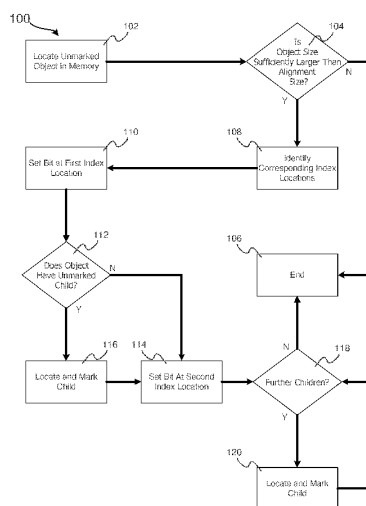


FIG. 1

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[Continued on next page]

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