

(12) United States Patent Kolokowsky

(10) Patent No.: US 7,853,749 B2 (45) **Date of Patent:** Dec. 14, 2010

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35 U.S.C. 154(b) by 147 days.

(21) Appl. No.: 11/468,569

(22)Filed: Aug. 30, 2006

(65) **Prior Publication Data**

US 2007/0050536 A1 Mar. 1, 2007

Related U.S. Application Data

- (60) Provisional application No. 60/713,913, filed on Sep. 1, 2005.
- (51) Int. Cl.

G06F 12/00 (2006.01)

- **U.S. Cl.** 711/103; 711/156; 365/218 (52)
- Field of Classification Search 711/103 See application file for complete search history.
- (56)References Cited

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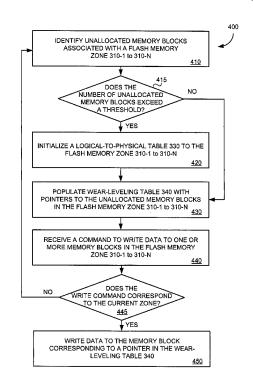
* cited by examiner

Primary Examiner—Kevin L Ellis Assistant Examiner—Matthew Bradley

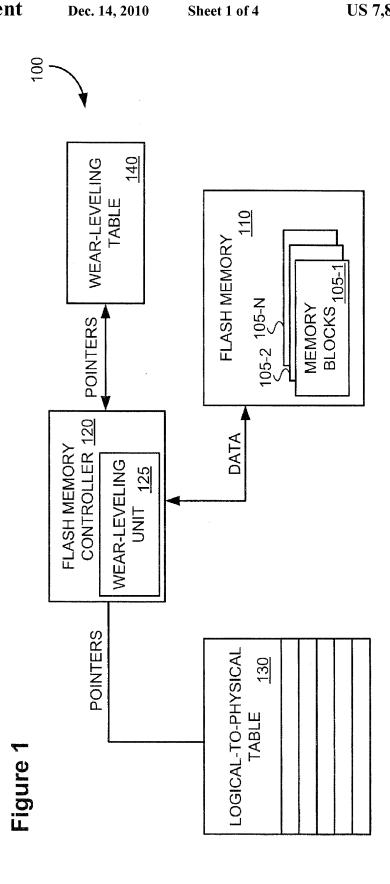
(57)**ABSTRACT**

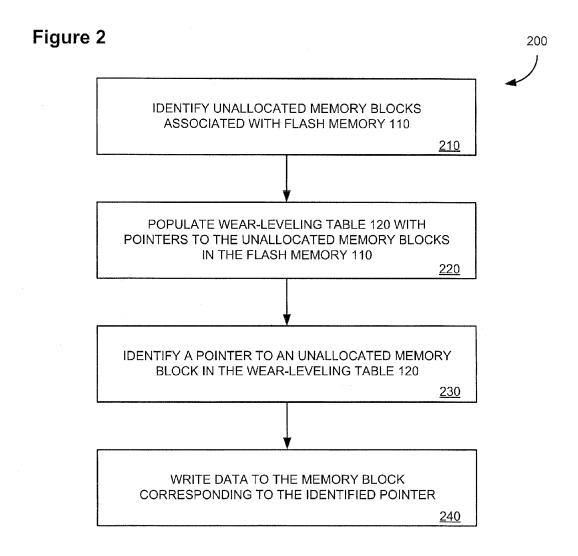
A system and method comprising a non-volatile memory including one or more memory blocks to store data, a controller to allocate one or more of the memory blocks to store data, and a wear-leveling table populated with pointers to unallocated memory blocks in the non-volatile memory, the controller to identify one or more pointers in the wear-leveling table and to allocate the unallocated memory blocks associated with the identified pointers for the storage of data.

10 Claims, 4 Drawing Sheets

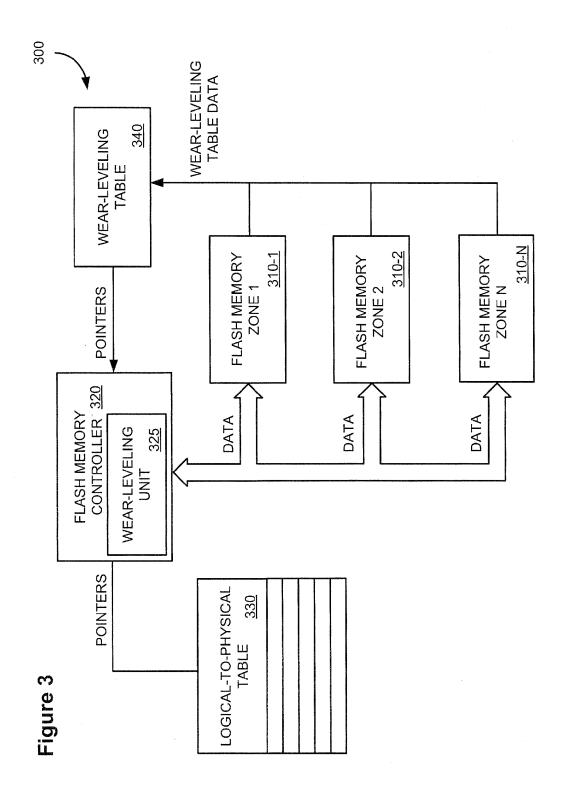




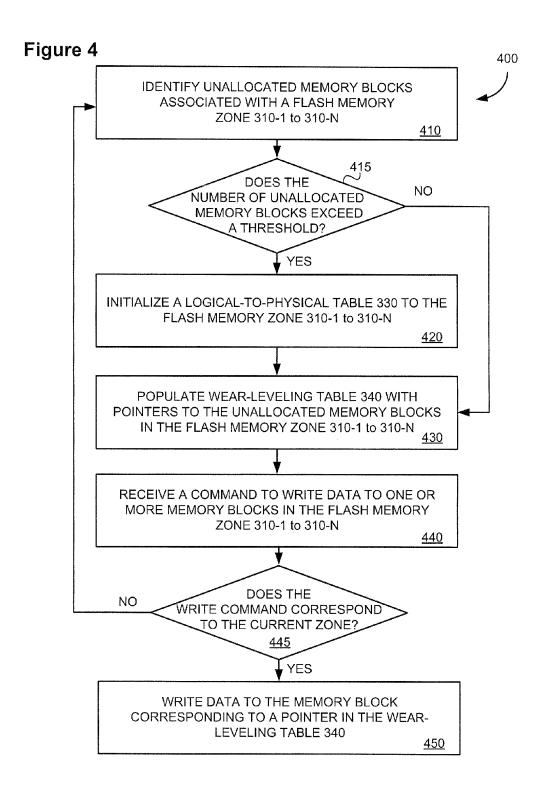




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