



- (51) **International Patent Classification:**
G06F 12/08 (2006.01) *G06F 12/16* (2006.01)
- (21) **International Application Number:**
PCT/US2011/046005
- (22) **International Filing Date:**
29 July 2011 (29.07.2011)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
12/847,952 30 July 2010 (30.07.2010) US
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- (81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

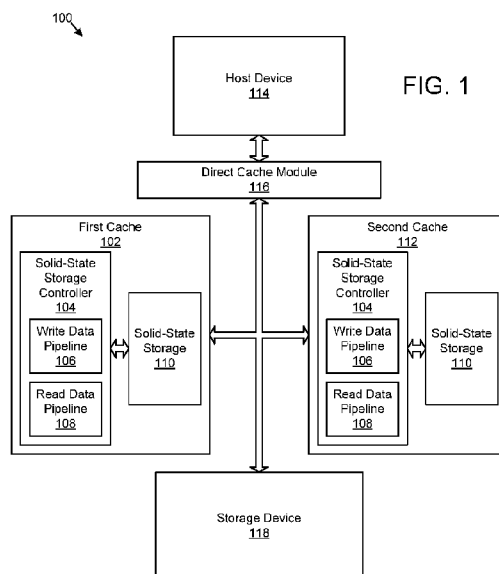
- (84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:

2 August 2012

(54) Title: APPARATUS, SYSTEM, AND METHOD FOR REDUNDANT WRITE CACHING

- (57) **Abstract:** An apparatus, system, and method are disclosed for redundant write caching. The apparatus, system, and method are provided with a plurality of modules including a write request module (602), a first cache write module (608), a second cache write module (610), and a trim module (606). The write request module (602) detects a write request to store data on a storage device (118). The first cache write module (608) writes data of the write request to a first cache (102). The second cache write module (610) writes the data to a second cache (112). The trim module (606) trims the data from one of the first cache (102) and the second cache (112) in response to an indicator that the storage device (118) stores the data. The data remains available in the other of the first cache (102) and the second cache (112) to service read requests.

A. CLASSIFICATION OF SUBJECT MATTER**G06F 12/08(2006.01)i, G06F 12/16(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F 12/08; G06F 12/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: storage, backup, cache

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0016301 A1 (CHIH-WEI CHEN) 17 January 2008 See abstract, [0021]-[0040] and figure 1.	1-21
A	US 7441081 B2 (DONALD R. HUMLICEK) 21 October 2008 See column 6, line 28 - column 7, line 35 and column 10, lines 21-25.	1-21
A	US 2004-0059870 A1 (KEVIN JOHN ASH et al.) 25 March 2004 See [0020] - [0039] and figure 1.	1-21
A	US 2005-0177687 A1 (RAGHAVENDRA J. RAO) 11 August 2005 See [0036] - 0038] and figure 5.	1-21



Further documents are listed in the continuation of Box C.



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"&" document member of the same patent family

Date of the actual completion of the international search

28 MARCH 2012 (28.03.2012)

Date of mailing of the international search report

06 APRIL 2012 (06.04.2012)

Name and mailing address of the ISA/KR

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Facsimile No. 82-42-472-7140

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/046005

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		US 2008-307160 A1	11.12.2008
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		US 7130956 B2	31.10.2006
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