(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 December 2012 (13.12.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/168811 A1

(51) International Patent Classification:
G06F 13/00 (2006.01)

(21) International Application Number:
PCT/IB2012/052558

(22) International Filing Date:
22 May 2012 (22.05.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/157,704 10 June 2011 (10.06.2011) US

(71) Applicant *(for all designated States except US)*: **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, New York 10504 (US).

(71) Applicants *(for MG only)*: **IBM UNITED KINGDOM LIMITED** [GB/GB]; PO Box 41, North Harbour, Portsmouth Hampshire PO6 3AU (GB). **IBM (CHINA) INVESTMENT COMPANY LIMITED** [CN/CN]; 25/F, Pangu Plaza, No.27, Central North 4th Ring Road, Chaoyang District, Beijing 100101 (CN).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **GAINEY, Jr, Charles** [US/US]; IBM Corporation, MD P318, 2455 South Road, Poughkeepsie, New York 12601-5400 (US). **OAKES, Kenneth, James** [US/US]; IBM Corporation, MD P343, 2455 South Road, Poughkeepsie, New York 12601-5400 (US). **MATHIAS, Thomas, Brian** [US/US]; IBM Corporation, MD C9HG, 1701 North Street, Endicott, New York 13760-5553 (US). **SZWED, Peter, Kenneth** [US/US]; IBM Corporation, MD P318, 2455 South Road, Poughkeepsie, New York 12601-5400 (US). **DRIEVER, Peter, Dana** [US/US]; IBM Corporation, MD P343, 2455 South Road, Poughkeepsie, New York 12601-5400 (US). **SUTTON, Peter, Grimm** [US/US]; IBM Corporation, MD P328, 2455 South Road, Poughkeepsie, New York 12601-5400 (US). **YUDENFRIEND, Harry** [US/US]; IBM Corporation, MD P328, 2455 South Road, Poughkeepsie, New York 12601-5400 (US). **TZORTZATOS, Elpida** [US/US]; IBM Corporation, MD P382, 2455 South Road, Poughkeepsie, New York 12601-5400 (US).

[Continued on next page]

(54) Title: CONFIGURE STORAGE CLASS MEMORY COMMAND

(57) Abstract: An abstraction for storage class memory is provided that hides the details of the implementation of storage class memory from a program, and provides a standard channel programming interface for performing certain actions, such as controlling movement of data between main storage and storage class memory or managing storage class memory.

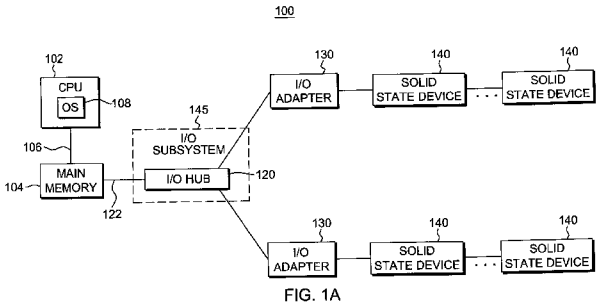

FIG. 1A

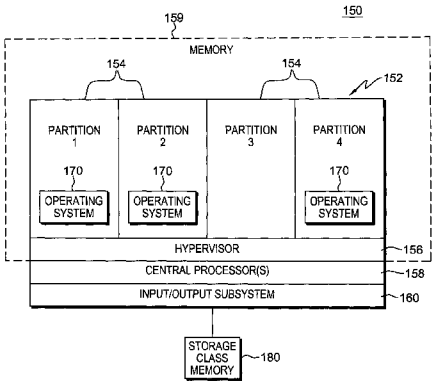

FIG. 1B

WO 2012/168811 A1

GLASSEN, Steven, Gardner [US/US]; IBM Corporation, 2455 South Road, Poughkeepsie, New York 12601-5400 (US).

(74) **Agent**: **ROBERTS, Scott**; IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Winchester, Hampshire SO21 2JN (GB).

(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, QA, RO, RS, RU, RW, 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, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*