



- (51) **International Patent Classification:**
G06F 12/08 (2006.01)
- (21) **International Application Number:**
PCT/US2013/069669
- (22) **International Filing Date:**
12 November 2013 (12.11.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
13/675,718 13 November 2012 (13.11.2012) US
- (71) **Applicant:** **AMAZON TECHNOLOGIES, INC.**
[US/US]; 410 Terry Avenue North, Seattle, WA 98109-5210 (US).
- (72) **Inventor; and**
- (71) **Applicant :** **THOMAS, Nathan, Bartholomew** [US/US];
410 Terry Avenue North, Seattle, WA 98109-5210 (US).
- (74) **Agent:** **HOPE, Leonard, J.**; Hope Baldauff, LLC, 1175
Peachtree Street, Ne, Ste. 2000, 100 Colony Square, At-
lanta, GA 30361 (US).
- (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, BN, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
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,
KM, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished
upon receipt of that report (Rule 48.2(g))*

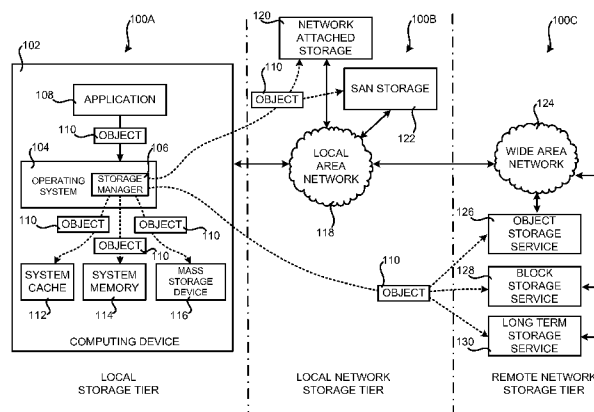
(54) **Title:** DYNAMIC SELECTION OF STORAGE TIERS

FIG. 1

(57) **Abstract:** An operating system is configured to receive a request to store an object that does not specify the location at which the object should be stored. The request might also include an optimization factor and one or more object location factors. The operating system might also generate object location factors or retrieve object location factors from one or more external locations. Object location factors might also be utilized that are based upon properties of the object to be stored. Utilizing the object location factors, and the optimization factor if provided, the operating system dynamically selects an appropriate storage tier for storing the object. The tiers might include a local storage tier, a local network storage tier, a remote network storage tier, and other types of storage tiers. The object is then stored on the selected storage tier. The object may be retrieved from the storage tier at a later time.