

(51) International Patent Classification:
G06F 15/16 (2006.01)(21) International Application Number:
PCT/US2013/071783(22) International Filing Date:
26 November 2013 (26.11.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/685,649 26 November 2012 (26.11.2012) US(71) Applicant: **AMAZON TECHNOLOGIES, INC.**
[US/US]; P.O. Box 8102, Reno, Nevada 89507 (US).(72) Inventors: **MALLIPEDDI, Venkata Harish**; 410 Terry
Avenue North, Seattle, Washington 98109-5210 (US).
SURNA, Aleksandras; 410 Terry Avenue North, Seattle,
Washington 98109-5210 (US).(74) Agent: **MEYERTONS, HOOD, KIVLIN, KOWERT &
GOETZEL, P.C.**; KOWERT, Robert C., P.O. Box 398,
Austin, Texas 78767-0398 (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: SCALING COMPUTING CLUSTERS IN A DISTRIBUTED COMPUTING SYSTEM

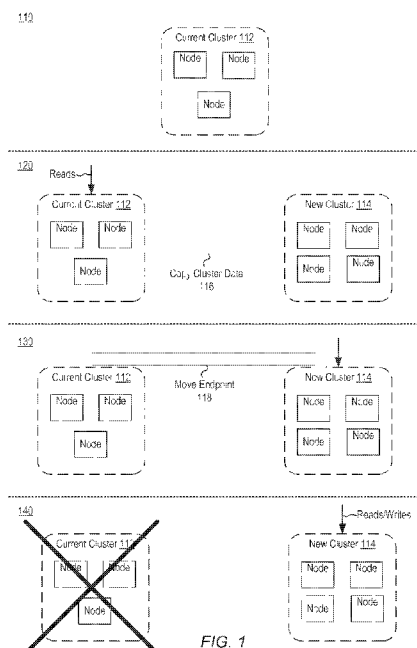


FIG. 1

(57) Abstract: A currently operating computing cluster that has multiple nodes storing cluster data may be scaled. A cluster scaling request may be received for the current cluster indicating a change in a number or type of nodes in the current cluster. In response to receiving the cluster scaling request, a new cluster may be created as indicated in the cluster scaling request, a copy of the cluster data from the current cluster to the nodes in the new cluster may be initiated, a network endpoint for the current cluster may be moved to the new cluster, and the current cluster may be disabled. The current cluster may, in some embodiments, respond to read access requests during the copy of the cluster data.