

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 June 2021 (03.06.2021)



(10) International Publication Number
WO 2021/108721 A1

(51) International Patent Classification:

H02J 9/06 (2006.01) *G06F 1/28* (2006.01)
G01R 31/40 (2020.01)

(21) International Application Number:

PCT/US2020/062432

(22) International Filing Date:

25 November 2020 (25.11.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/941,510 27 November 2019 (27.11.2019) US

(71) Applicant: **EQUINIX, INC.** [US/US]; One Lagoon Drive,
Redwood City, California 94065 (US).

(72) Inventor: **METCALF, Gregory**; 825 Silliman Street, San
Francisco, California 94134 (US).

(74) Agent: **WOLFE, Mark A.**; Shumaker & Sieffert, P.A.,
1625 Radio Drive, Suite 100, Woodbury, Minnesota 55125
(US).

HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, ST, 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:

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

(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, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,

(54) Title: RESERVE BUS DISTRIBUTION SYSTEM TESTING

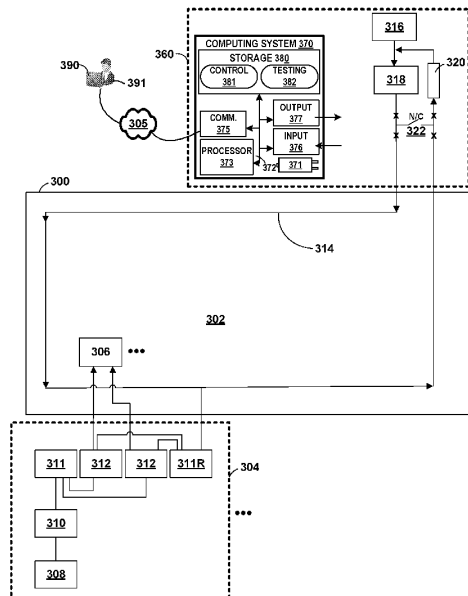


FIG. 3

(57) Abstract: A method of testing a distribution center bus system having one or more of the following features: (a) opening a reserve bus breaker between a reserve bus UPS (318) and a reserve bus (314), (b) initiating a self-test mode at the reserve bus UPS, (c) routing current through the reserve bus UPS, the reserve bus, a reserve bus static bypass circuit (320) back to the reserve bus UPS, (d) testing the reserve bus to detect heat, determine any significant current loss, or identify other attributes suggesting failure, (e) identifying if a primary bus static transfer switch (312) has tripped over to the reserve bus, and (f) terminating the self-test at the reserve bus UPS if the primary bus static transfer switch has tripped.

WO 2021/108721 A1