

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
6 February 2014 (06.02.2014)



(10) International Publication Number
WO 2014/021785 A9

(51) International Patent Classification:
G06F 17/30 (2006.01)

(21) International Application Number:
PCT/SG2013/000327

(22) International Filing Date:
2 August 2013 (02.08.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/678,701 2 August 2012 (02.08.2012) US

(71) Applicant: **AGENCY FOR SCIENCE, TECHNOLOGY
AND RESEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10
Connexis, Singapore 138632 (SG).

(72) Inventors: **JIANG, Wenyu**; c/o PKM, Institute for In-
focomm Research, 1 Fusionopolis Way, #21-01 Connexis,
South Tower, Singapore 138632 (SG). **YU, Rongshan**; c/o
PKM, Institute for Infocomm Research, 1 Fusionopolis
Way, #21-01 Connexis, South Tower, Singapore 138632
(SG).

(74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**;
P.O. Box 1088, Rochor Post Office, Rochor Road, Singa-
pore 911833 (SG).

(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, 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, 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:

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

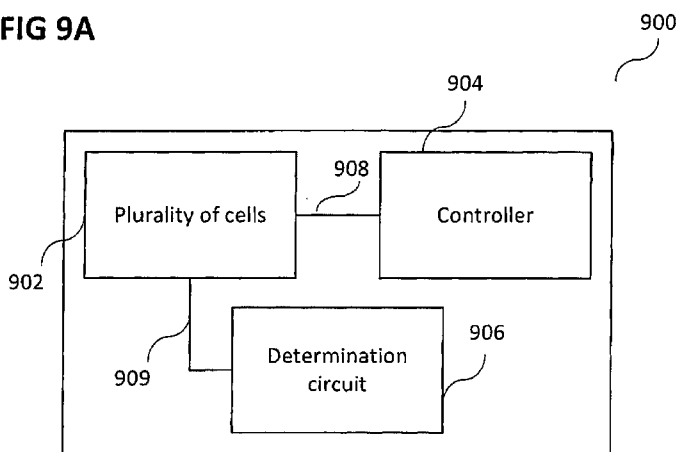
(48) Date of publication of this corrected version:

30 April 2015

[Continued on next page]

(54) Title: TESTING APPARATUSES, SERVERS AND METHODS FOR CONTROLLING A TESTING APPARATUS

FIG 9A



(57) Abstract: According to various embodiments, a testing apparatus may be provided. The testing apparatus may include: a plural-
ity of cells, each cell of the plurality of cells including a plurality of terminals, the plurality of cells configured to define a string,
wherein each cell of the plurality of cells includes a first terminal; a controller configured to control voltages to the respective first
terminals of the plurality of terminals of each cell of the plurality of cells based on a query pattern, wherein a state of each cell of the
plurality of cells is defined by the voltage supplied to the first terminal of the cell; and a determination circuit configured to deter-
mine whether the string corresponds to the query pattern based on the states of the plurality of cells.



(15) Information about Correction:
see Notice of 30 April 2015