

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 December 2008 (31.12.2008)

PCT

(10) International Publication Number
WO 2009/001067 A3

- (51) International Patent Classification:
H04L 12/26 (2006.01)
- (21) International Application Number:
PCT/GB2008/002155
- (22) International Filing Date: 23 June 2008 (23.06.2008)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0712199.9 23 June 2007 (23.06.2007) GB
- (71) Applicant (for all designated States except US): CAL-
NEX SOLUTIONS LTD [GB/GB]; Springfield, Linlith-
gow, West Lothian EH49 7NX (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): COOK, Thomas
[GB/GB]; Springfield, Linlithgow, West Lothian EH49
7NX (GB). CRONSHAW, Peter [GB/GB]; Springfield,
Linlithgow, West Lothian EH49 7NX (GB).
- (74) Agents: KINSLER, Maureen Catherine et al.; Marks &
Clerk, 19 Royal Exchange Square, Glasgow G1 3AE (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, 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, PG, PH,
PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV,
SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,
NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments
- (88) Date of publication of the international search report:
19 February 2009

(54) Title: NETWORK IN-LINE TESTER

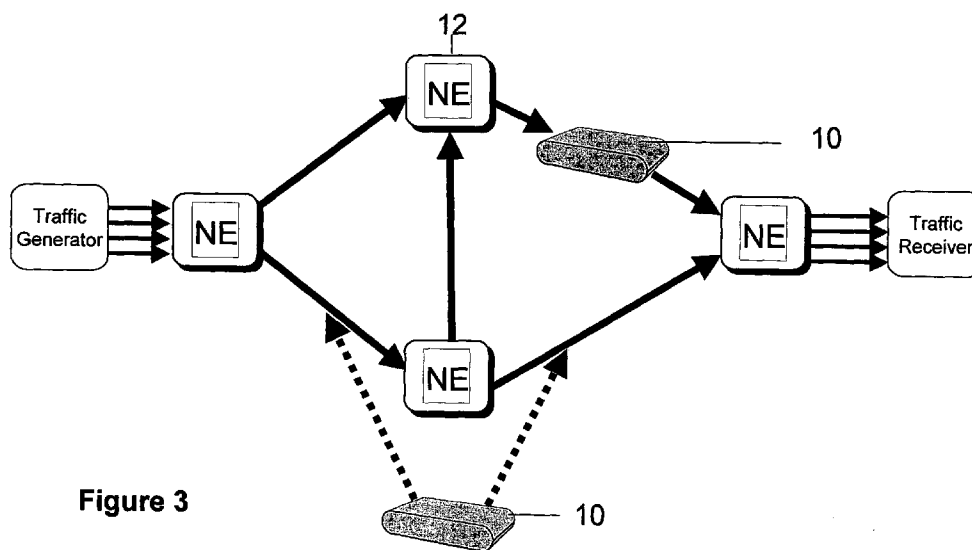


Figure 3

(57) Abstract: An in-line tester (10) for testing a telecommunications network. The tester (10) is connectable in line in a communications channel in the network, between network elements or nodes (12), so that all packets within that channel have to flow through it.

WO 2009/001067 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2008/002155

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L12/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 233 073 B1 (BOWERS MICHAEL DANA [US] ET AL) 15 May 2001 (2001-05-15)	1, 3, 5-8, 13, 14, 20-24
Y	column 2, line 47 - column 8, line 7 figures 1, 2, 6	4, 15, 16, 26, 30
X	EP 1 643 683 A (AGILENT TECHNOLOGIES INC [US]) 5 April 2006 (2006-04-05)	1, 3, 20, 24, 25, 27
Y	paragraph [0030] - paragraph [0044] paragraph [0044] - paragraph [0065] figure 1	4, 15, 16, 26, 30
A	US 6 314 531 B1 (KRAM PAUL REGIS [US]) 6 November 2001 (2001-11-06) column 4, line 3 - line 61 figures 1-4	1-30
	----- -/--	

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

1 December 2008

Date of mailing of the international search report

08/12/2008

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040.
Fax: (+31-70) 340-3016

Authorized officer

Bertsch, Andreas

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2008/002155

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 631 481 B1 (HOARD MICHAEL A [US] ET AL) 7 October 2003 (2003-10-07) column 2, line 21 - line 45 figures 1-6 -----	1-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2008/002155

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 6233073	B1	15-05-2001	NONE	
EP 1643683	A	05-04-2006	GB 2418795 A US 2006072474 A1	05-04-2006 06-04-2006
US 6314531	B1	06-11-2001	NONE	
US 6631481	B1	07-10-2003	NONE	