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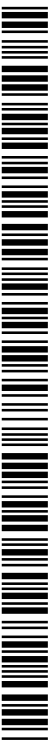
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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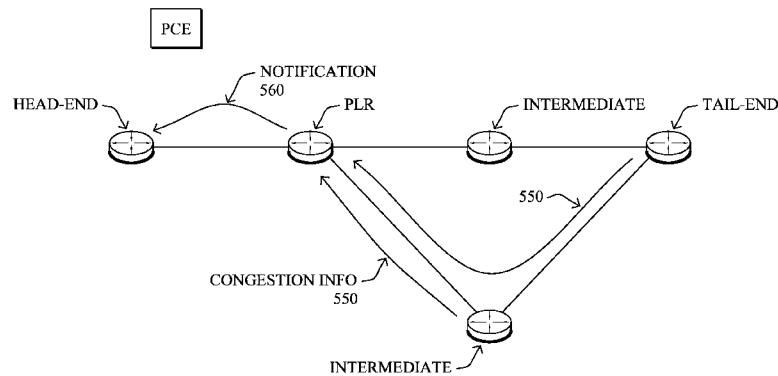
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(54) Title: CONGESTION-BASED NOTIFICATION DURING FAST REROUTE OPERATIONS IN STATEFUL PATH COMPUTATION ELEMENT ENVIRONMENTS



(57) Abstract: In one embodiment, once activation of use of a backup tunnel is detected for a primary tunnel, then a level of congestion of the path of the backup tunnel may be determined. In response to the level being greater than a threshold, a head-end node of the primary tunnel is triggered to reroute the primary tunnel (e.g., requesting to a path computation element). Conversely, in response to the level not being greater than the threshold, the backup tunnel is allowed to remain activated.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/045899

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L12/911 H04L12/801 H04L12/703 H04L12/711
ADD.
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 practicable, 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 Y	US 2007/183317 A1 (VASSEUR JEAN-PHILIPPE [US] ET AL) 9 August 2007 (2007-08-09) figure 7b paragraphs [0002], [0025], [0047] - [0049], [0060], [0066] - [0070] -----	1,4-11, 14-21 2,3,12, 13
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X	US 7 493 383 B1 (MUKERJI ARINDUM [US]) 17 February 2009 (2009-02-17) figure 5 columns 7,12-14 ----- -/--	1,7,8, 11,17, 18,21

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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Date of the actual completion of the international search 25 November 2013	Date of mailing of the international search report 06/12/2013
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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 Kesting, Christiane
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/045899

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2006/198308 A1 (VASSEUR JEAN-PHILIPPE [US] ET AL) 7 September 2006 (2006-09-07) paragraph [0056] figure 9	2,3,12, 13
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International application No

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