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[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR GENERATING FUNCTIONAL ADDRESSES

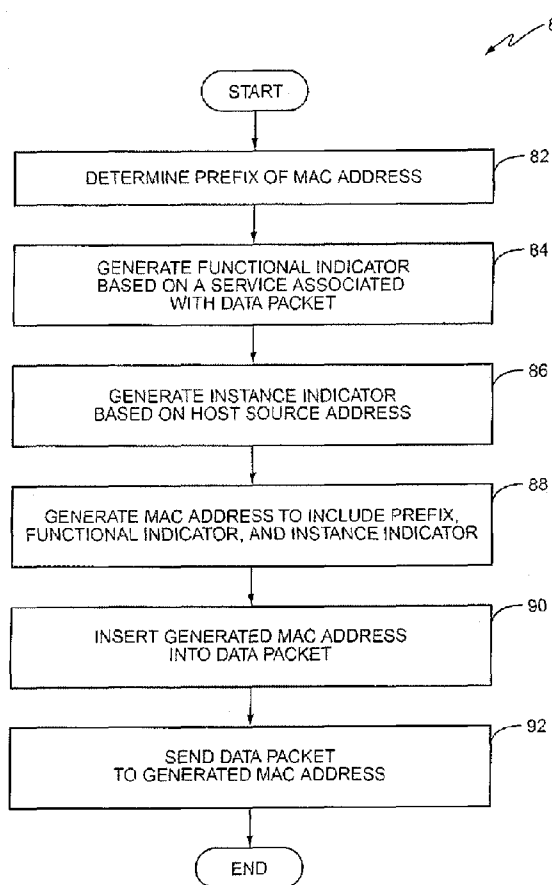


FIG. 5

(57) Abstract: A plurality of networked devices on a communication network host services and instances of those services. These services and service instances are mapped onto destination addresses within a given address space. Thus, the destination addresses provide information about the location of the networked devices, as well as the functional topology of the network. Data packets may be routed to a desired service instance using these destination addresses.

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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, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
INV. H04L29/12

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	WO 2006/100620 A (KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS CORP [US]; FALCK THOMAS [ ]) 28 September 2006 (2006-09-28) abstract figures 1,4 page 1, lines 21-24 page 7, lines 7-16,24-32	1-25
X	EP 1 681 895 A (SAMSUNG ELECTRONICS CO LTD [KR]) 19 July 2006 (2006-07-19) abstract figure 8 paragraph [0050]	1-25
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\* Special categories of cited documents

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Date of the actual completion of the international search 12 June 2009	Date of mailing of the international search report 24/06/2009
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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 Tromparent, Marie
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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 2005/068950 A1 (ELLIS DONALD RUSSELL [CA] ET AL) 31 March 2005 (2005-03-31) abstract figure 3 paragraph [0038]  -----	1-25

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No <b>PCT/IB2008/054310</b>
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