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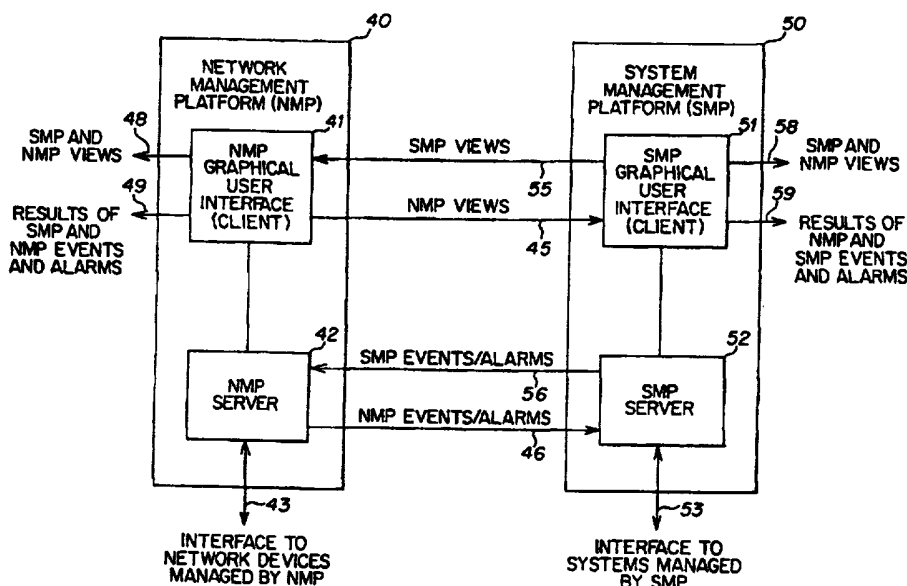
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(54) Title: METHOD AND APPARATUS FOR INTEGRATED NETWORK MANAGEMENT AND SYSTEMS MANAGEMENT IN COMMUNICATIONS NETWORKS



(57) Abstract

A computer system includes a gateway which provides integration between a network management platform and a system management platform. Such a gateway facilitates sharing of network management and system management events and alarms, as well as sharing of network management and system management display views. From the shared events and alarms, each platform may correlate such shared events and alarms with other data available to the platform. Thus, each platform has the advantage of using its own data in combination with data from the other platform to more effectively perform its functionality.

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INTERNATIONAL SEARCH REPORT

Intern 1al Application No

PCT/US 97/08043

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04L12/24

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)

IPC 6 H04L H04Q

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 95 08794 A (CODEX, INC.) 30 March 1995</p> <p>see page 2, line 2 - line 18 see page 6, line 10 - line 25 see page 9, line 8 - line 13 see page 10, line 14 - line 17</p> <p style="text-align: center;">--- -/--</p>	<p>1-3, 11-13, 21,22</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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International Application No

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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	<p>SCHLAERTH J P: "A CONCEPT FOR TACTICAL WIDE-AREA NETWORK HUB MANAGEMENT" PROCEEDINGS OF THE MILITARY COMMUNICATIONS CONFERENCE (MILCOM), LONG BRANCH, NJ., OCT. 2 - 5, 1994, vol. 2 OF 3, 2 October 1994, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, pages 644-649, XP000505952 see page 645, right-hand column, line 45 - line 57 see page 646, left-hand column, line 5 - line 7 see page 646, line 10 - line 15 see page 647, right-hand column, line 32 - line 39; figure 5</p> <p style="text-align: center;">---</p>	1-30
A	<p>WO 94 23514 A (BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY) 13 October 1994 see page 1, line 11 - line 19 see page 1, line 30 - page 2, line 2 see page 6, line 4 - line 10 see page 40, line 1 - line 25; figure 1</p> <p style="text-align: center;">---</p>	1,11,21
A	<p>EP 0 632 617 A (ALCATEL N.V.) 4 January 1995 see column 3, line 28 - line 31 see column 5, line 23 - line 38 see column 8, line 29 - line 39</p> <p style="text-align: center;">---</p>	1,11,21
A	<p>EP 0 621 716 A (NORTHERN TELECOM LIMITED) 26 October 1994 see abstract see column 1, line 24 - line 34 see column 3, line 36 - line 50; figure 1</p> <p style="text-align: center;">-----</p>	1,11,21

INTERNATIONAL SEARCH REPORT

Information on patent family members

Interr. nal Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9508794 A	30-03-95	AU 7558094 A	10-04-95
		CA 2148603 A	30-03-95
		EP 0670060 A	06-09-95

WO 9423514 A	13-10-94	CA 2159001 A	13-10-94
		EP 0691056 A	10-01-96
		JP 8508376 T	03-09-96

EP 632617 A	04-01-95	DE 4321458 A	12-01-95

EP 621716 A	26-10-94	GB 2277229 A	19-10-94
		CA 2121114 A	18-10-94
		US 5652787 A	29-07-97
