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(54) Wireless telemetry system integrated with a broadband network

(57) An integrated tracking, telemetry and local area networking system (100) is provided. A communications system (100) comprises a broadband subsystem (50) comprising at least one UWB node (60) including a first UWB transceiver (30) and at least one application node (40) linked to the UWB node (60) by a broadband link (15). The system (100) further comprises a wireless subsystem (16) comprising at least one remote communicator (80), the remote communicator (80) including a second UWB transceiver (90). The first and second UWB transceivers (30) and (90) are configured to communicate with each other via an UWB communications link (15).

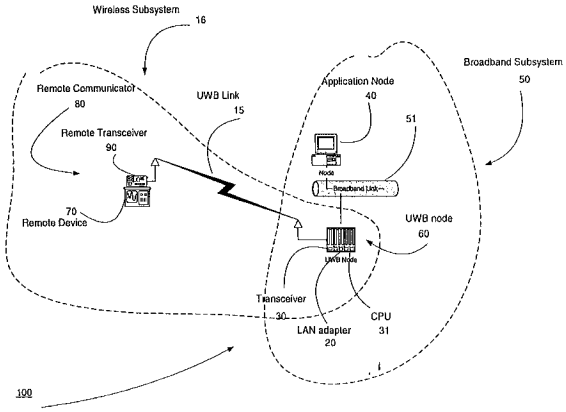

FIGURE 1

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EUROPEAN SEARCH REPORT

Application Number
EP 01 30 1057

DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	MOE Z WIN ET AL: "On the Robustness of Ultra-Wide Bandwidth Signals in Dense Multipath Environments" IEEE COMMUNICATIONS LETTERS, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 2, no. 2, February 1998 (1998-02), XP011010555 ISSN: 1089-7798 * the whole document * -----	1-10	
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A	WO 99/41682 A (SOUTHERN RES INST [US]; DEAN ALAN HOYT [US]; JOHNSON DAVID WAYNE [US];) 19 August 1999 (1999-08-19) * page 1, line 13 - page 2, line 29 * * page 3, line 16 - page 5, line 2 * * figures 1-3 * * abstract * -----	1-10	

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	29 March 2007	ROLAN CISNEROS, E

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
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D : document cited in the application
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& : member of the same patent family, corresponding document

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EUROPEAN SEARCH REPORT

Application Number
EP 01 30 1057

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	MOE Z WIN ET AL: "On the Energy Capture of Ultrawide Bandwidth Signals in Dense Multipath Environments" IEEE COMMUNICATIONS LETTERS, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 2, no. 9, September 1998 (1998-09), XP011010619 ISSN: 1089-7798 * the whole document *	1-10	
A	WIN M Z ET AL: "Ultra-wide bandwidth signal propagation for indoor wireless communications" COMMUNICATIONS, 1997. ICC '97 MONTREAL, TOWARDS THE KNOWLEDGE MILLENNIUM. 1997 IEEE INTERNATIONAL CONFERENCE ON MONTREAL, QUE., CANADA 8-12 JUNE 1997, NEW YORK, NY, USA,IEEE, US, vol. 1, 8 June 1997 (1997-06-08), pages 56-60, XP010227088 ISBN: 0-7803-3925-8 * the whole document *	1-10	TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	29 March 2007	ROLAN CISNEROS, E

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& : member of the same patent family, corresponding document

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 01 30 1057

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29-03-2007

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	无线遥测系统与宽带网络集成		
公开(公告)号	EP1124211A3	公开(公告)日	2007-05-09
申请号	EP2001301057	申请日	2001-02-07
[标]申请(专利权)人(译)	通用电气公司		
申请(专利权)人(译)	通用电气公司		
当前申请(专利权)人(译)	通用电气公司		
[标]发明人	EVANS SCOTT CHARLES DAVENPORT DAVID MICHAEL HERSHEY JOHN ERIK TOMLINSON HAROLD WOODRUFF JR HOCTOR RALPH THOMAS HLADIK STEPHEN MICHAEL WELLES KENNETH BRAKELEY II		
发明人	EVANS, SCOTT CHARLES DAVENPORT, DAVID MICHAEL HERSHEY, JOHN ERIK TOMLINSON, HAROLD WOODRUFF, JR. HOCTOR, RALPH THOMAS HLADIK, STEPHEN MICHAEL WELLES, KENNETH BRAKELEY, II		
IPC分类号	G08C17/02 A61B5/00 H04L12/46 H04L12/28 H04Q9/00		
CPC分类号	H04Q9/00 A61B5/002 A61B5/1112 H04B1/7163 H04W92/18 Y10S128/903		
优先权	60/180906 2000-02-08 US 09/571203 2000-05-16 US		
其他公开文献	EP1124211A2		
外部链接	Espacenet		

摘要(译)

提供了一种集成的跟踪，遥测和局域网络系统（100）。通信系统（100）包括宽带子系统（50），其包括至少一个UWB节点（60），其包括第一UWB收发器（30）和通过宽带链接到UWB节点（60）的至少一个应用节点（40）链接（15）。系统（100）还包括无线子系统（16），其包括至少一个远程通信器（80），远程通信器（80）包括第二UWB收发器（90）。第一和第二UWB收发器（30）和（90）被配置为经由UWB通信链路（15）彼此通信。

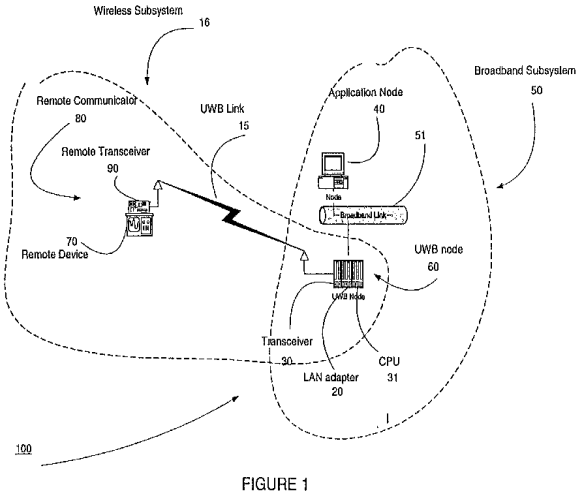

FIGURE 1