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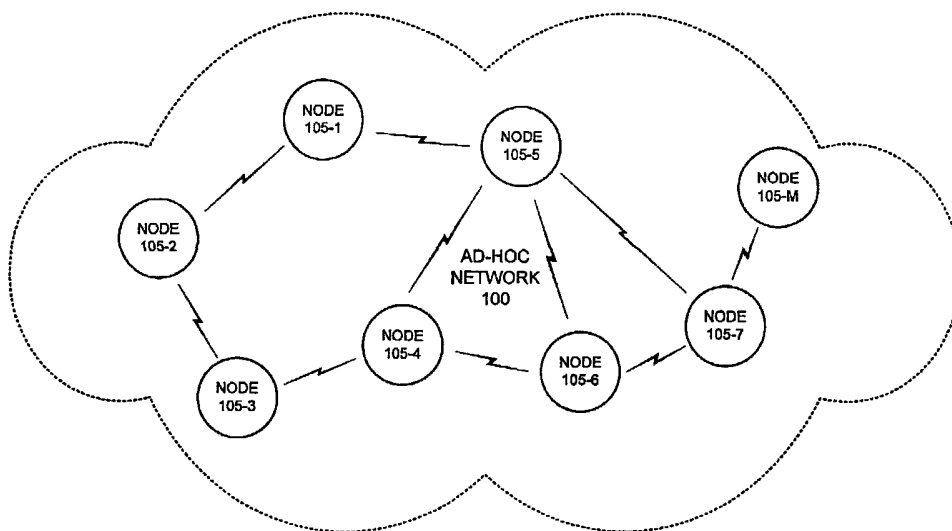
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(54) Title: SYSTEMS AND METHODS FOR DIRECTIONAL ANTENNA POWER CONTROL IN A WIRELESS NETWORK



(57) Abstract: A node (105-1) determines a power level for transmitting to a neighboring node (105-2) in a wireless network (100). The node (105-1) receives one or more messages indicating a location of the neighboring node and a type of directional antenna of the neighboring node (105-2) that transmitted the one or more messages. The node (105-1) determines the power level for transmitting to the neighboring node (105-2) based on the location of the neighboring node (105-2) and the type of the directional antenna.

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International application No.
PCT/US04/02677

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04B 001/00,007/00 US CL : 455/067.11,067.14,456.1 According to International Patent Classification (IPC) or to both national classification and IPC</p>																
<p>B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 455/067.11,067.14,456.1,69,63.1,63.4,67.13,522,562.1,13.4,500,25,62,68,367,368 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) EASR</p>																
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y,E</td> <td>US 6804208 B2 (CAIN et al) 12 October 2004, col.11, lines 1-col.12, line55</td> <td>1-52</td> </tr> <tr> <td>Y</td> <td>US 6498939 B1 (THOMAS) 24 December 2002, col. 4, lines 34-61</td> <td>1-52</td> </tr> <tr> <td>Y</td> <td>US 6400317 B2 (ROUPHAEL et al) 04 June 2002, col. 4, line 35-col. 5, line 47</td> <td>1-52</td> </tr> <tr> <td>A</td> <td>US 6490461 B1 (MULLER) 03 December 2002, see entire document</td> <td>1-52</td> </tr> </tbody> </table>		Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y,E	US 6804208 B2 (CAIN et al) 12 October 2004, col.11, lines 1-col.12, line55	1-52	Y	US 6498939 B1 (THOMAS) 24 December 2002, col. 4, lines 34-61	1-52	Y	US 6400317 B2 (ROUPHAEL et al) 04 June 2002, col. 4, line 35-col. 5, line 47	1-52	A	US 6490461 B1 (MULLER) 03 December 2002, see entire document	1-52
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<p>Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230</p>	<p>Authorized officer KENNETH A. WIEDER <i>Joe Gutthly</i> Telephone No. 703 305-7608</p>															