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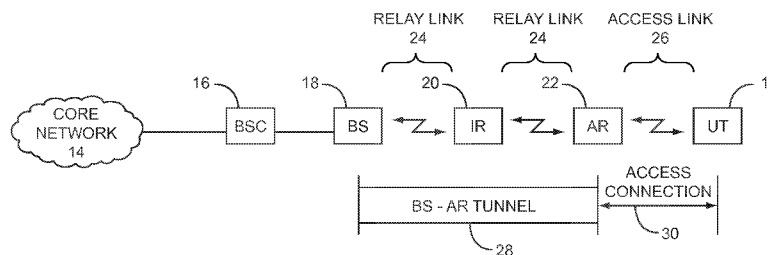


FIG. 2

(57) Abstract: One or more relay stations may be employed along a wireless communication access path between an ingress station and an egress station. A logical communication tunnel is established between the ingress and egress stations through any number of intermediate relay stations to handle session flows of PDUs. As PDUs arrive, the ingress station may determine and add scheduling information to the PDUs before they are delivered to the downstream intermediate relay stations or egress stations. The scheduling information is used by the downstream stations to schedule the PDUs for further delivery. The scheduling information may also be used by the egress station to schedule the PDUs for delivery. The scheduling information added to the PDU by the ingress station bears on a QoS class associated with the PDU, a deadline for the egress station to deliver the PDU, or a combination thereof.



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INTERNATIONAL SEARCH REPORT

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<p>A. CLASSIFICATION OF SUBJECT MATTER IPC: <i>H04W 28/24</i> (2009.01), <i>H04W 24/00</i> (2009.01), <i>H04W 88/04</i> (2009.01) According to International Patent Classification (IPC) or to both national classification and IPC</p>																	
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) IPC: <i>H04W 28/24</i> (2009.01), <i>H04W 24/00</i> (2009.01), <i>H04W 88/04</i> (2009.01)</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) Database: FPOQUE, Delphion, West, Espacenet, Canadian Patent Database, QPAT, PLIF, Google. Keywords: ingress/egress/relay/packet/tunnel/scheduling information/quality/qos</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>A</td> <td>WO 2007/019672 A1 (WANG) 22 February 2007 (22-02-2007) • entire document •</td> <td>1-32</td> </tr> <tr> <td>A</td> <td>WO 2005/025110 A2 (SARTORI et al.) 17 March 2005 (17-03-2005) • entire document •</td> <td>1-32</td> </tr> <tr> <td>A</td> <td>US 2005/0014464 A1 (LARSSON) 20 January 2005 (20-01-2005) • entire document •</td> <td>1-32</td> </tr> <tr> <td>A</td> <td>PABST et al., "Relay-Based Deployment Concepts for Wireless and Mobile Broadband Radio", IEEE Communications Magazine, vol. 42, no. 9, pp. 80-89. Sept 2004 (09-2004) • entire document •</td> <td>1-32</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	A	WO 2007/019672 A1 (WANG) 22 February 2007 (22-02-2007) • entire document •	1-32	A	WO 2005/025110 A2 (SARTORI et al.) 17 March 2005 (17-03-2005) • entire document •	1-32	A	US 2005/0014464 A1 (LARSSON) 20 January 2005 (20-01-2005) • entire document •	1-32	A	PABST et al., "Relay-Based Deployment Concepts for Wireless and Mobile Broadband Radio", IEEE Communications Magazine, vol. 42, no. 9, pp. 80-89. Sept 2004 (09-2004) • entire document •	1-32
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Information on patent family members

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