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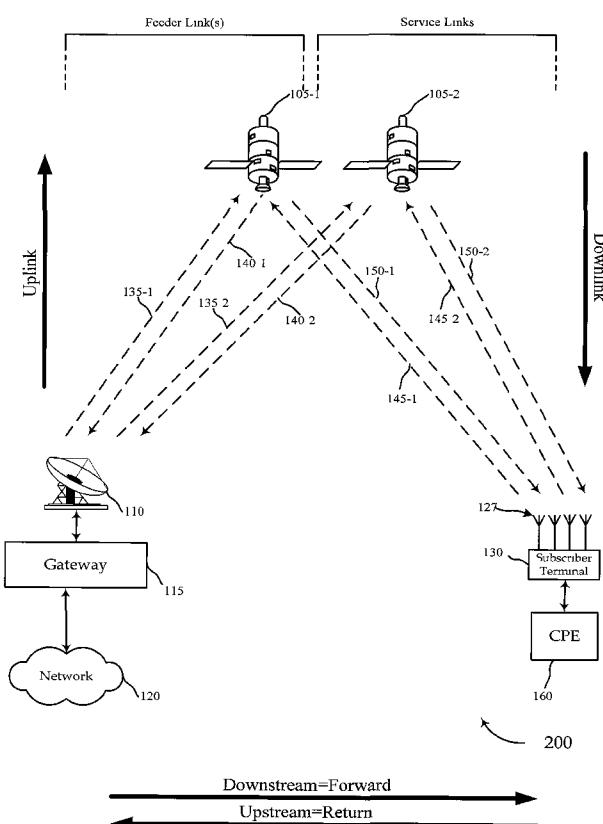
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[Continued on next page]

(54) Title: SCALABLE SATELLITE DEPLOYMENT



(57) **Abstract:** A scalable subscriber terminal for bi-directional communication with a gateway through one or more satellites is provided according to another embodiment of the invention. The scalable subscriber terminal may comprise a plurality of antennas and be configured to operate in at least a first communication mode prior to switching to a second communication mode. The first communication mode may comprise communicating with the gateway through a first satellite. The second communication mode may include communicating with the gateway through the first satellite and a second transceiver. The scalable subscriber terminal may download MIMO operational firmware from the gateway through the first satellite prior to switching to the second communication mode. The first communication mode may be a SISO or SIMO mode. The second communication mode may be a MISO or MIMO mode. The second transceiver may be a second satellite or a terrestrial repeater.

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B. RELDS SEARCHED

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>YAMASHITA F ET AL: "Broadband multiple satellite MIMO system" VEHICULAR TECHNOLOGY CONFERENCE, 2005. VTC-2005-FALL. 2005 IEEE 62ND DALLAS, TX, USA 25-28 SEPT., 2005, PISCATAWAY, NJ, USA, IEEE, vol. 4, 25 September 2005 (2005-09-25), pages 2632-2636, XP010878930 ISBN: 978-0-7803-9152-9 abstract page 1, left-hand column, paragraph 1 - paragraph 2 figures 1,2</p> <p>-----</p> <p>-/-</p>	1-15

Further documents are listed in the continuation of Box C.

See patent family annex.

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(*Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	<p>DAGRES L ET AL: "Flexible-Radio: A General Framework with PHY-Layer algorithm-design insights"</p> <p>COMPUTER AS A TOOL, 2005. EUROCON 2005. THE INTERNATIONAL CONFERENCE ON BELGRADE, SERBIA AND MONTENEGRO 21-24 NOV. 2005, PISCATAWAY, NJ, USA, IEEE, vol. 1, 21 November 2005 (2005-11-21), pages 120-123, XP010916036 ISBN: 978-1-4244-0049-2</p> <p>abstract</p> <p>page 121, left-hand column, paragraph 1</p> <p>page 122, right-hand column, last</p> <p>paragraph - page 123, paragraph 1</p> <p>-----</p>	1-15
Y	<p>CUMMINGS M ET AL: "MODE SWITCHING AND SOFTWARE DOWNLOAD FOR SOFTWARE DEFINED RADIO: THE SDR FORUM APPROACH"</p> <p>IEEE COMMUNICATIONS MAGAZINE, IEEE SERVICE CENTER, PISCATAWAY, US, vol. 37, no. 8, 1 August 1999 (1999-08-01), pages 104-106, XP000835325</p> <p>ISSN: 0163-6804</p> <p>page 104, left-hand column, paragraph 2</p> <p>page 105, right-hand column, last</p> <p>paragraph - page 106, left-hand column, last paragraph</p> <p>-----</p>	1-15
Y	<p>US 2005/281221 A1 (ROH WON-IL [KR] ET AL)</p> <p>22 December 2005 (2005-12-22)</p> <p>paragraph [0015]</p> <p>paragraph [0097]</p> <p>-----</p>	1-15
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Y	<p>EP 1 608 085 A (LG ELECTRONICS INC [KR])</p> <p>21 December 2005 (2005-12-21)</p> <p>abstract</p> <p>-----</p>	8,11

INTERNATIONAL SEARCH REPORT**Information on patent family members**

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