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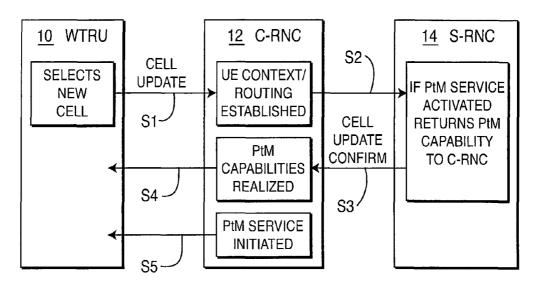
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(54) Title: METHOD FOR DISTRIBUTION OF WIRELESS TRANSMIT/RECEIVE UNIT (WTRU) CAPABILITY BETWEEN POINT TO POINT AND POINT TO MULTIPOINT SERVICES



(57) Abstract: Method and apparatus for arranging wireless transmit/receive unit (WTRU) capability distribution between point to point (PtP) and point to multipoint (PtM) services. The method addresses PtP/PtM specific and common capabilities shared between PtM and PtP. The method utilizes procedures and different scenarios to coordinate establishment/release of PtP and PtM services and distribution of WTRU PtP/PtM capabilities within a universal mobile telecommunication system terrestrial radio access network



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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap		Relevant to claim No.
X,E	US 2004/0137885 A1 (SARKKINEN et al) 01 July 2004, see Fig. 1, page 4, paragraph 44.		1,2,9-10,13-19,22- 23,30,35-36,39-48 and 51
A	US 2002/0090940 A1 (CHEN et al) 11 July 2002.		1-51
A,E	A,E US 2004/0081192 A1 (KOULSKIOTIS et al) 29 April 2004.		1-51
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