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(54) Title: SIGNALING SCHEME FOR DOWNLINK POWER ALLOCATION IN COORDINATED TRANSMISSION

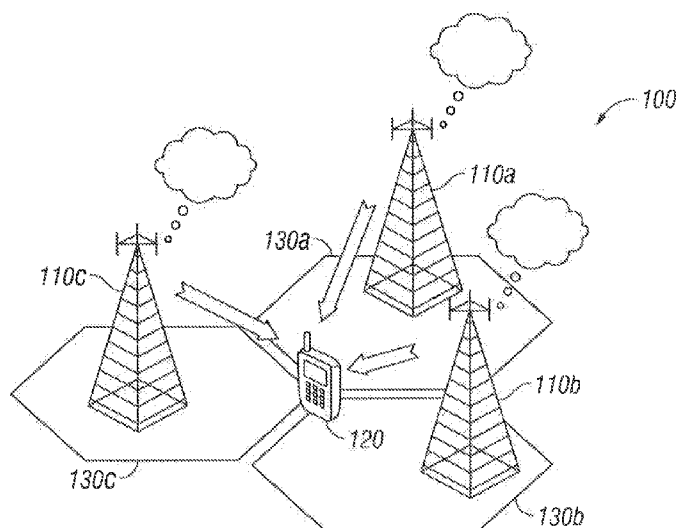


FIG. 1

(57) Abstract: A method of signal transmission in a wireless communications network is disclosed. The method includes identifying a particular transmission point to transmit to a mobile device in a particular transmission and determining whether the particular transmission point will operate at a power level equivalent to that of a serving cell of the mobile device. The method further includes transmitting to the mobile device an identification of the value of a cell-specific parameter associated with the cell of the particular transmission point, if the particular transmission point will not operate at a power level equivalent to that of the serving cell. The method still further includes transmitting to the particular transmission point an identification of a value of the cell-specific parameter associated with the serving cell, if the particular transmission point will operate at a power level equivalent to a power level of the serving cell.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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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)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SAMSUNG: "Downlink power allocation for CoMP", 3GPP DRAFT; R1-121631-COMP-DL_PC, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Jeju, Korea; 20120326 - 20120330, 20 March 2012 (2012-03-20), XP050599894, [retrieved on 2012-03-20]	1,7,8,14
A	Sections 2, 3 ----- -/-	2-6,9-13



Further documents are listed in the continuation of Box C.



See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MEDIATEK: "Further Discussions of Standardization Impacts on CoMP", 3GPP DRAFT; R1-112343 SPEC IMPACT COMP, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Athens, Greece; 20110822, 17 August 2011 (2011-08-17), XP050537765, [retrieved on 2011-08-17]	15,17, 19,21
Y	Section 2.1	16,18, 20,22
Y	----- "Discussion on RRM/CoMP Measurement Set Management", 3GPP DRAFT; R1-120244 DISCUSSION ON RRM-COMP MEASUREMENT SET MANAGEMENT, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Dresden, Germany; 20120206 - 20120210, 31 January 2012 (2012-01-31), XP050562799, [retrieved on 2012-01-31] the whole document	16,20
Y	----- NEW POSTCOM: "Downlink CSI-RS signaling design for LTE-Advanced", 3GPP DRAFT; R1-105035 DOWNLINK CSI-RS SIGNALING DESIGN FOR LTE-ADVANCED FINAL, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Madrid, Spain; 20100823, 27 August 2010 (2010-08-27), XP050450287, [retrieved on 2010-08-27] Sections 2.1, 2.2	18,22
X,P	----- FUJITSU: "Discussion of transmission power setting for DL CoMP", 3GPP DRAFT; R1-122080 DISCUSSION ON TRANSMISSION POWER SETTING FOR DL COMP, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Prague, Czech Republic; 20120521 - 20120525, 12 May 2012 (2012-05-12), XP050600369, [retrieved on 2012-05-12] Whole section 2	1,8
