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(71) Applicant (for all designated States except US): NOKIA SIEMENS NETWORKS OY [FI/FI]; Karaportti 3, FI-02610 Espoo (FI).

(71) Applicant (for LC only): NOKIA SIEMENS NETWORKS US LLC [US/US]; 6000 Connection Drive, Irving, Texas 75039 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): FLEMING, Phil [US/US]; 309 Prince Edward Road, Glen Ellyn, Illinois 60137 (US). NAGARAJ, Shirish [US/US]; 1535 Regan Ct., Hoffman Estates, Illinois 60192 (US). ROTTINGHAUS, Alan [US/US]; 1100 Berkshire Lane, Barrington, Illinois 60010 (US). YANG, Roy [US/US]; 2173 Apple Hill Lane, Buffalo Grove, Illinois 60089 (US). LUZ, Yuda [US/US]; 2211 Avalon Drive, Buffalo Grove, Illinois 60089 (US). BAIETTO, David [US/US]; 1078 Plum Tree Drive, Crystal Lake, Illinois 60014 (US).

(74) Agents: MAURI, Robert J. et al.; Harrington & Smith, Attorneys at Law, LLC, 4 Research Drive, Shelton, Connecticut 06484-6212 (US).

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(54) Title: CELL CLUSTERING AND APERTURE SELECTION

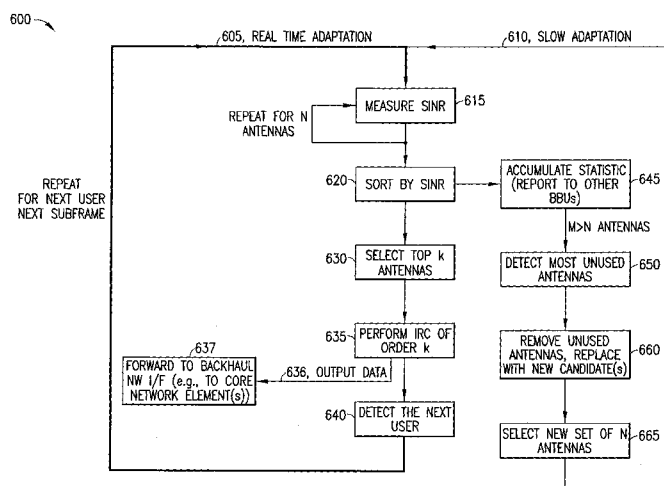


FIG.6

(57) Abstract: A method is disclosed that includes accessing baseband information for a number, N ($N > 1$), of antennas accessible by a number of baseband units, where the baseband information correspond to a transmission by a user equipment and is received at the N antennas. The method includes determining values for one or more metrics for the baseband information for the N antennas. The method includes selecting, based on the determined values, a subset k of the N antennas and corresponding baseband information to use to determine output data for the transmission by the user equipment. The method includes determining the output data for the user equipment using the baseband information from the k antennas. Apparatus and computer program products are also disclosed.



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A. CLASSIFICATION OF SUBJECT MATTER

IPC: see extra sheet

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, PAJ, WPI data, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 2381587 A1 (CHINA MOBILE COMM CORP), 26 October 2011 (2011-10-26); paragraphs [0006], [0012], [0016]-[0029], [0042], [0048], [0081]; figures 4,5,7; claims 1, 2, 5, 6	1-2, 4, 8-16, 18, 22-29, 35-40
A	--	3, 5-7, 17, 19-21, 30-34
X	EP 1296466 A2 (AT & T CORP), 26 March 2003 (2003-03-26); abstract; paragraphs [0013]-[0014], [0018]; figures 1-2; claims 1, 5, 8, 11	1, 2, 14, 15, 16, 28, 29
A	--	3-13, 17-27, 30-40



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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Patent- och registreringsverket
Box 5055
S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86

Authorized officer

Omar Al-Askary

Telephone No. + 46 8 782 25 00

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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	US 20100265813 A1 (PEREIRA STEPHANIE F ET AL), 21 October 2010 (2010-10-21); paragraphs [0002], [0018], [0029]-[0031], [0033]; figures 1-3; claims 1, 2	1, 2, 14, 15, 16, 28, 29
A	--	3-13, 17-27, 30-40
A	EP 1954075 A1 (HUAWEI TECH CO LTD), 6 August 2008 (2008-08-06); abstract; paragraphs [0003]-[0005], [0010], [0014]; figures 1-3; claims 4-6	1-40
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E	EP 2541823 A1 (NIPPON TELEGRAPH & TELEPHONE), 2 January 2013 (2013-01-02); abstract; figures 1-4; claims 1-2	1, 14, 15, 28
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