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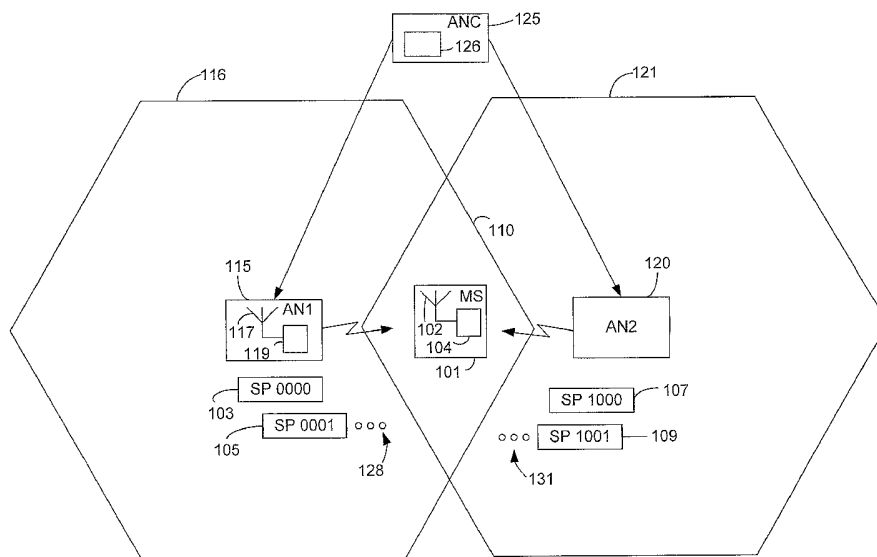
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(54) Title: MULTIPLE SOURCE WIRELESS COMMUNICATION SYSTEM AND METHOD



(57) Abstract: When a cellular wireless communication device can receive communication from multiple (more than one) transmission sources, two steps are performed. First, a block of source data made up of M packets is coded (encoded) such that the block of source data can be derived at the receiver from any K (K = M + A) out of the N packets, where A < M, M < N and N is the total number of coded packets. Second, different subsets of the N packets are sent from each of the transmission sources. The cellular wireless communication device can receive packets from multiple transmission sources. For example, the block of source data can be coded by Reed-Solomon (RS) coding or rateless coding such as Tornado coding or Raptor coding. (Sometimes they are also called Fountain Codes). An example of the multiple sources is multiple base stations in a cellular communication system.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04L

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 practical, 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	WO 02/052787 A2 (DRAPER LAB CHARLES S [US]) 4 July 2002 (2002-07-04) abstract page 6, line 10 - page 4, line 14 page 7, line 32 page 8, line 11 - page 10, line 16 page 11, lines 8-14 page 13, lines 9-27 page 15, lines 3-10 page 17, lines 3-19 page 24, lines 13-15	1-5, 7-12, 14-19
Y	figures 2-8	6,13

Further documents are listed in the continuation of Box C.

See patent family annex.

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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	BYERS J W ET AL: "Accessing multiple mirror sites in parallel: using Tornado codes to speed up downloads" INFOCOM '99. EIGHTEENTH ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES. PROCEEDINGS. IEEE NEW YORK, NY, USA 21-25 MARCH 1999, PISCATAWAY, NJ, USA, IEEE, US, 21 March 1999 (1999-03-21), pages 275-283, XP010323769 ISBN: 0-7803-5417-6	1-5, 7-12, 14-19
Y	Sections I-III abstract	6,13
Y	----- EP 0 531 046 A2 (AMERICAN TELEPHONE & TELEGRAPH [US]) 10 March 1993 (1993-03-10) abstract; figures 1,2 -----	6,13

INTERNATIONAL SEARCH REPORT

Information on patent family members

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