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(54) Title: A METHOD FOR MANAGING HETEROGENEOUS CELLULAR NETWORKS

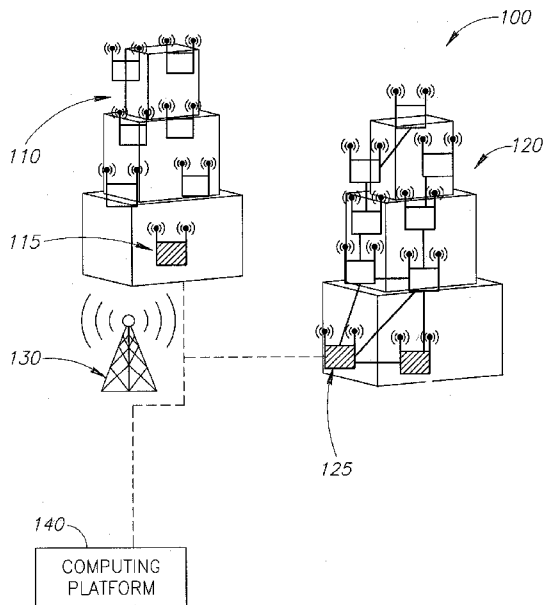


FIG.1

(57) Abstract: A method is provided for managing heterogeneous cellular networks. The method comprises obtaining measurement reports from wireless entities, relating to the intensity at which signals are received by each wireless entity; based on these measurement reports, and/or on geographical information of HetNet elements, identifying a macro cell located at the vicinity of the small cells; selecting one of the small cells to be a gateway cell, and other small cells to be inner cells. The gateway cell is a small cell that receives, or mobile terminals connected thereto receive, signals transmitted by the macro cell at an intensity being at least similar to intensity at which these signals are received at the inner cells; identifying physical layer identifiers (PLIs) used at the macro cell; and determining PLIs for the gateway cell which are not currently used by the macro cell, and PLIs available for use by the inner cells.





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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) H04W		
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, COMPENDEX, INSPEC, IBM-TDB		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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