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(54) Title: ALLOCATION OF CONTROL RESOURCES OF A FEMTO CELL TO AVOID INTERFERENCE WITH A MACRO CELL

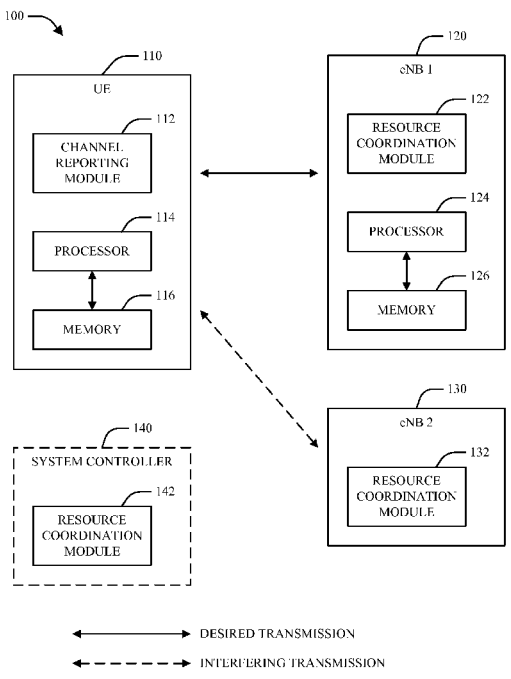

FIG. 1

(57) Abstract: Systems and methodologies are described that facilitate resource management in a wireless communication system. Various techniques described herein can enable a network cell in a wireless communication system (e.g., a macro cell) to mitigate the effects of interference on other surrounding network cells (e.g., femto cells embedded within the coverage of the macro cell). For example, a network cell can allocate control resources that overlap control resources of a nearby cell and assign resources within the region of overlap only to users that will not cause substantial interference to the nearby cell. As another example, a network cell can utilize a control channelization that partially coincides with a control and/or random access channelization of a nearby cell. The network cell can subsequently elect not to use the control resources in the coinciding region in order to enable the nearby cell to control the effects of interference though data scheduling.

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