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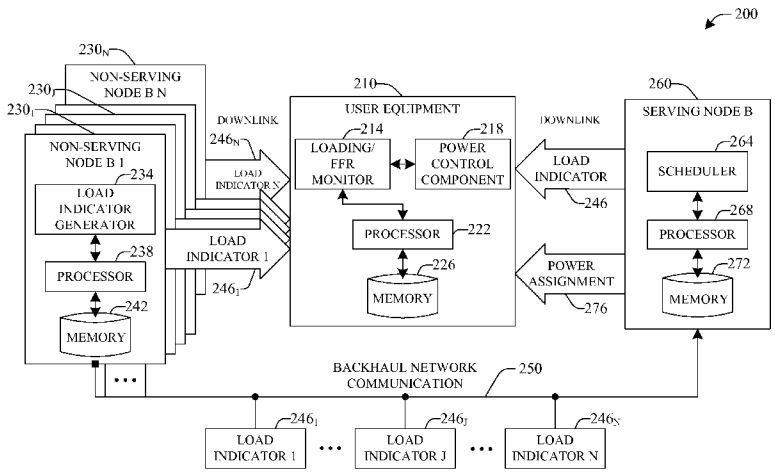
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

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(54) **Title:** INTER-CELL POWER CONTROL IN THE PRESENCE OF FRACTIONAL FREQUENCY REUSE



(57) **Abstract:** System(s) and method(s) are provided for inter-cell power control in the presence of fractional frequency reuse in a wireless communication system. Transmission power control of a terminal, and ensuing inter-cell interference mitigation, is accomplished by receiving load indicators from non-serving sectors, decoding those load indicators corresponding to the non-serving sectors that operate in the same frequency bands as the terminal, and adjusting the transmission power according the states of the decoded load indicators in conjunction with the associated non-serving sectors forward link signal-to-interference-and-noise ratio at the terminal. The states of the load indicators reflect magnitudes of interference metrics with respect to threshold values. Load indicators can also be conveyed by the non-serving sector to a base station serving the terminal through a backhaul communication, and said base station can schedule an adjusted transmission power for the terminal.

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