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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: METHOD AND SYSTEM TO INDICATE A DESIRED TRANSMIT POWER AND SOFT POWER CONTROL IN A WIRELESS NETWORK

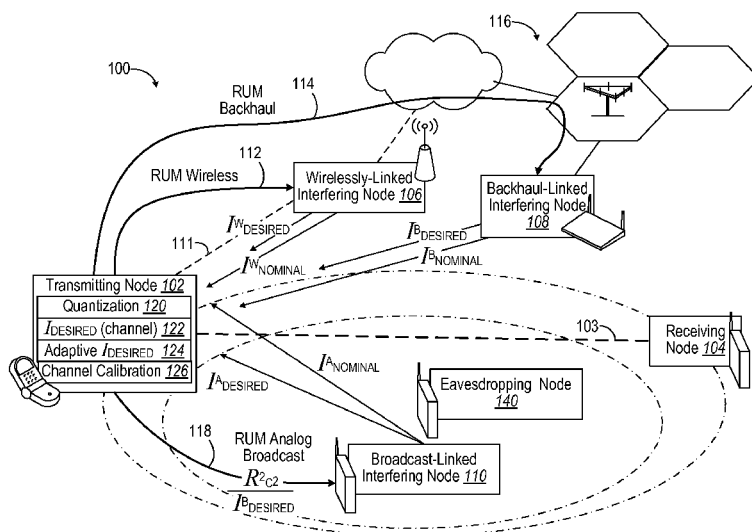


FIG. 1

(57) Abstract: In a wireless communication system, short-term interference mitigation may be used to mitigate (e.g., to avoid or reduce) interference on a given link in order to improve performance of data transmission. The interference mitigation reduces transmit power of interfering transmissions so that a higher signal-to-noise-and-interference ratio (SINR) can be achieved for a desired data transmission. A node may observe high interference from an interfering node that degrades performance of data transmission sent on that link. By taking advantage of a communication path with the interfering node (e.g., wireless data/control channel, backhaul network connection, or analog broadcast signal), the transmitting node can successfully complete time critical communications while allowing the interfering node to also simultaneously communicate without reducing overall resources nor burdening any managing nodes.

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