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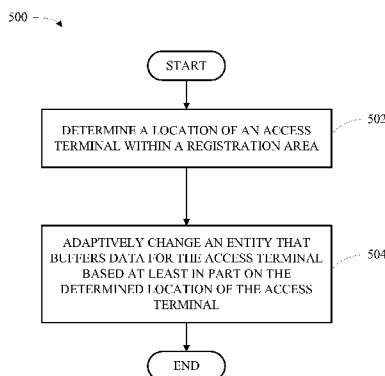


FIG. 5

(57) Abstract: Described herein is methodologies for efficient utilization of backhaul resources of a network for delivering paging data to an access terminal (AT) without sacrificing delay performance. A location that buffers data for an AT can be adaptively changed based on factors such as the location of the AT, applications utilized by the AT, and a recent activity level of the AT. To facilitate this determination, an AT can be configured with one or more registration boundaries. An AT can be configured with a small registration radius such that if the AT does not move outside of the small registration radius, data can be delivered directly to a data attachment point for the AT. If the AT moves outside of the small registration radius, the registration radius can be switched to a large registration radius and the access gateway can instead locally buffer data for the AT.

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