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(54) **Title: TIMING OFFSET TECHNIQUES IN WIRELESS COMMUNICATIONS**

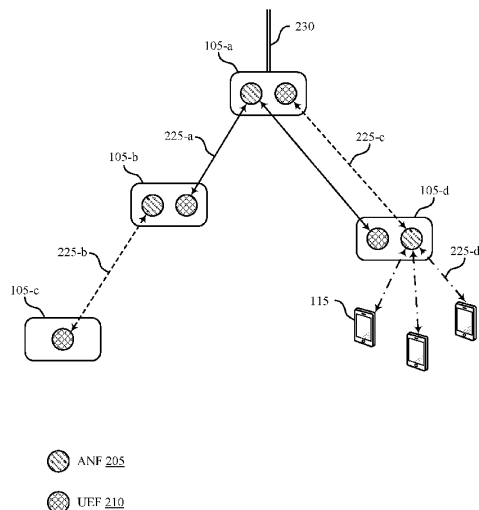


FIG. 2

(57) **Abstract:** Methods, systems, and devices for wireless communica-
tions are described that provide for multiple timing advance offsets that
may be used in communications between wireless devices on a wireless
communications system. A first timing advance offset may be a fixed
offset that has a predetermined value or is selected from a set of available
predetermined values, and a second timing advance offset may be ad-
justable by a wireless device. The second timing advance offset may be
used in cases where relatively large distances between wireless devices
are present in a system, where certain fixed timing advances are used
in addition to or irrespective of a receiving devices propagation delay,
where one or more parent nodes have an associated timing reference, or
combinations thereof.

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