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(54) **DYNAMIC SELECTION OF SATELLITE ATTITUDE BASED ON UTILIZATION OR AVAILABILITY OF TERRESTRIAL WIRELESS COMMUNICATION NETWORK**

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(57) **ABSTRACT**

A satellite having a set of antenna elements with predefined directions and beam angles is described. This satellite may dynamically select at least a given antenna element based at least in part on utilization and/or availability of a terrestrial wireless communication network used by an electronic device that communicates with the satellite. Moreover, the satellite may change its attitude based at least in part on the given antenna element, where the changed attitude positions a region in a predefined beam angle of the given antenna element. The satellite may dynamically select the region to which it transmits wireless signals. For example, the region may be selected based at least in part on weather conditions associated with the region and/or priority of content conveyed by the wireless signals. Alternatively, the satellite may receive information specifying the region, the utilization and/or the availability of the terrestrial wireless communication network in the region.