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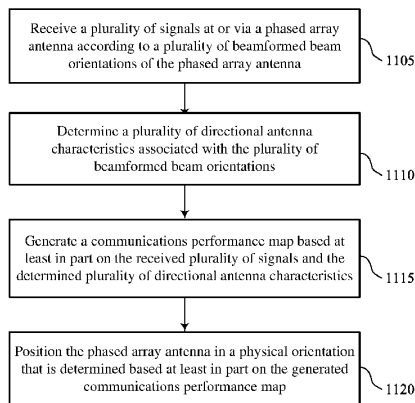
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- (71) **Applicant:** VIASAT, INC. [US/US]; Patent Department,
6155 El Camino Real, Carlsbad, California 92009 (US).
- (72) **Inventors:** DANKBERG, Mark D.; Viasat, Inc., c/o Patent
Department, 6155 El Camino Real, Carlsbad, California
92009 (US). BUER, Kenneth V.; Viasat, Inc., c/o Patent
Department, 6155 El Camino Real, Carlsbad, California
92009 (US).
- (74) **Agent:** PUTNAM, Jonathan et al.; Viasat, Inc., c/o Patent
Department, 6155 El Camino Real, Carlsbad, California
92009 (US).
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(54) **Title:** TECHNIQUES FOR PHASED ARRAY TERMINAL ANTENNA INSTALLATION



(57) **Abstract:** A communications system may be configured to consider directional beam characteristics in the operation of a phased array antenna, such as during installation of, positioning or orienting of, or communications using a phased array antenna. In some examples, a communication system may be configured to generate a communications performance map for evaluating or characterizing a local communications environment relative to directional characteristics of a phased array antenna, and such a performance map may be used to establish various boundaries or directional thresholds for performing communications operations. In some examples, directional characteristics of a phased array antenna, or a communications performance map thereof, may be used for evaluating when to reposition or reorient the phased array antenna, such as when the phased array antenna is provided with a generally fixed orientation by an installer, or when the phased array antenna leverages a combination of physical positioning and electronic beamforming.

FIG. 11

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