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5775 Morehouse Drive, San Diego, CA 92121-1714 (US).

(72) Inventor: SHEYNBLAT, Leonid; 1208 North Road, Belmont, CA 94002 (US).

(74) Agents: WADSWORTH, Philip, R. et al.; Qualcomm Incorporated, 5775 Morehouse Drive, San Diego, CA 92121-1714 (US).

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(54) Title: METHOD AND APPARATUS FOR USING SATELLITE STATUS INFORMATION IN SATELLITE POSITIONING SYSTEMS

(57) Abstract: Methods and apparatuses for removing the effects of cross-correlation on a satellite positioning system's calculation of position are disclosed. The method includes receiving the SPS signals from in view SPS satellites and determining whether a first measurement, corresponding to a first SPS satellite which has been indicated to be a healthy satellite, is to be removed from a set of measurements to be used to solve for a position of a mobile SPS receiver. Determining includes testing the first measurement is derived from the SPS signals. In one embodiment, the signals from the first SPS satellite may be weaker than the signals from the second SPS satellite, which has been indicated to be an unhealthy satellite.