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Walker et al.

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(54) **SYSTEMS AND METHODS OF CORRELATING SATELLITE POSITION DATA WITH TERRESTRIAL FEATURES**

USPC 375/142, 150, 259, 343; 342/107-109, 342/357.2, 357.22, 357.23; 370/350; 455/427, 456.1; 708/5, 813

See application file for complete search history.

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(57) **ABSTRACT**

A method of correlating satellite position data with terrestrial features may include: Using a geometric snapping algorithm to correlate the satellite position data and terrestrial survey data and snap the satellite position data to the terrestrial features; determining whether the satellite position data can be snapped to unique terrestrial features; and using a hybrid space-time snapping algorithm to correlate the satellite position data and terrestrial survey data and snap the satellite position data to unique terrestrial features when the satellite position data cannot be snapped to unique terrestrial features.

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CPC **G06F 17/15** (2013.01); **G01S 19/42** (2013.01)

(58) **Field of Classification Search**
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