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Jones

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(54) **HIGH ACCURACY SURVEY-GRADE GIS SYSTEM**

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G01V 1/00 (2006.01)
G01V 3/38 (2006.01)

(52) **U.S. Cl.** **702/14**; 342/357.12; 701/207; 702/5

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See application file for complete search history.

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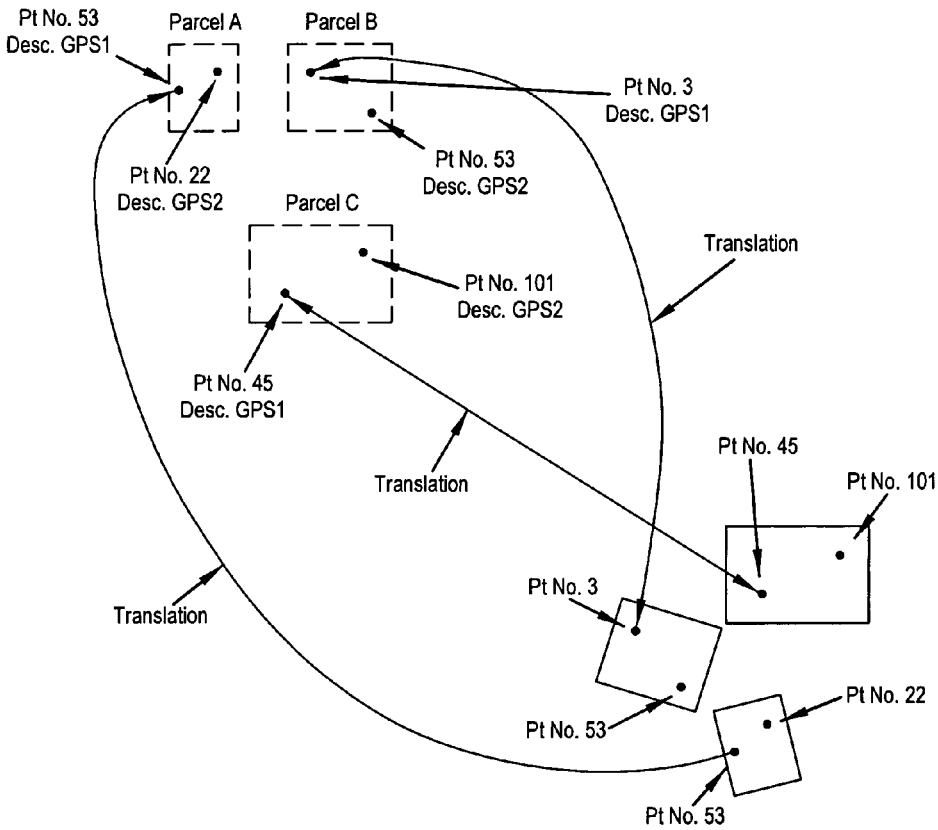
(57) **ABSTRACT**

A method of coordinating surveys of different origins and which may be projected into different coordinate systems. The method provides a translation and rotation of the surveys to be coordinated without disturbing the internal geometry of each survey. A geographic information system including a procedure for coordinating surveys of different origins and/or which surveys which projected in different coordinate systems.

8 Claims, 38 Drawing Sheets