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**Werner**

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(54) **PROGRAM PRODUCTS, METHODS, AND SYSTEMS FOR PROVIDING LOCATION-AWARE FITNESS MONITORING SERVICES**

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See application file for complete search history.

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 696 days.

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**Related U.S. Application Data**

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CPC ..... **A63B 24/0062** (2013.01); **A63B 24/0021** (2013.01); **G01C 21/20** (2013.01); **A63B 2024/0025** (2013.01); **A63B 2071/0641** (2013.01); **A63B 2071/0691** (2013.01);  
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(57) **ABSTRACT**

Program products, methods, and systems for providing location-aware fitness monitoring services are disclosed. In an embodiment of the present invention, a method of displaying a route traversed by an athlete equipped with a location-aware portable fitness monitoring device includes the steps of (a) receiving data describing a plurality of satellite navigational system waypoints that are acquired as the athlete engages in a fitness activity, (b) identifying a map area based on a location indicated by the data describing the plurality of satellite navigational system waypoints, (c) determining the route traversed by the athlete based on the data describing the plurality of satellite navigational system waypoints and based on the location of one or more known paths associated with the map area, and (d) displaying the route traversed by the athlete on top of the map area.

(58) **Field of Classification Search**  
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**15 Claims, 30 Drawing Sheets**

