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Piemonte et al.

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(54) **RENDERING MAPS**

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See application file for complete search history.

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(56) **References Cited**

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(51) **Int. Cl.**

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(57) **ABSTRACT**

Some embodiments provide a mapping application for rendering map portions. The mapping application includes a map receiver for receiving map tiles from a mapping service in response to a request for the map tiles needed for a particular map view. Each map tile includes vector data describing a map region. The mapping application includes a set of mesh building modules. Each mesh building module is for using the vector data in at least one map tile to build a mesh for a particular layer of the particular map view. The mapping application includes a mesh aggregation module for combining layers from several mesh builders into a renderable tile for the particular map view. The mapping application includes a rendering engine for rendering the particular map view.

(52) **U.S. Cl.**

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(58) **Field of Classification Search**

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