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(54) Title: SYSTEMS AND METHODS FOR SOLAR MAPPING, DETERMINING A USABLE AREA FOR SOLAR ENERGY PRODUCTION AND/OR PROVIDING SOLAR INFORMATION

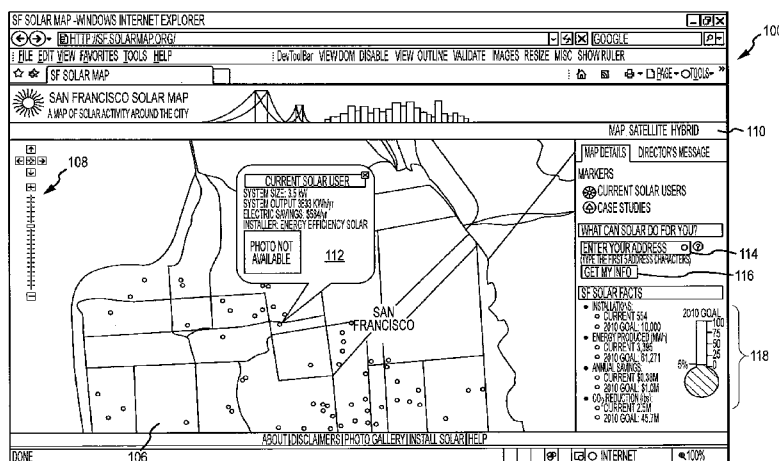


FIG.4

(57) Abstract: A method of determining usable area of a structure for solar energy production may include obtaining a three-dimensional model of a structure and obstructions associated therewith, and performing a shading analysis using the obtained three-dimensional model to obtain a usable area of the structure. A method of providing solar information for a structure using a Web portal may include providing an interactive map, receiving a user selection of a structure located on the interactive map, and providing solar information for the selected structure, wherein the solar information is based at least in part on a usable area obtained by performing a shading analysis using a three-dimensional model of the structure and obstructions associated therewith. A system for providing an interactive Web portal may include a database including solar information regarding a structure, and a server configured to access the database to retrieve the solar information and provide the Web portal.

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