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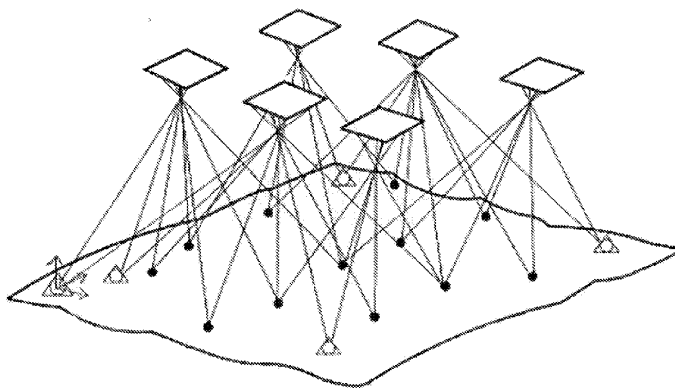


Fig. 4

(57) Abstract: A method for constructing under-the-canopy terrain imagery, the method comprises the steps of: a. capturing overlapping images to cover an area-of-interest from an imaging sensor on an aerial platform; b. performing bundle adjustment utilizing parameters of said imaging sensor at any given point of capturing the images; c. training a neural network model for implicit volumetric rendering, wherein said model is configured to generate simulated views from any point of said area-of-interest; and d. generating terrain images by discarding occluding objects above ground level from the scene.

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