



[54] METHOD UTILIZING FREQUENCY DOMAIN REPRESENTATIONS FOR GENERATING TWO-DIMENSIONAL VIEWS OF THREE-DIMENSIONAL OBJECTS

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[58] Field of Search 395/127, 137; 364/413.13, 413.16, 413.19, 413.2, 413.22

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[57] ABSTRACT

The view generated is the view of a three-dimensional object that would be obtained if the object in question consisted of a translucent material illuminated with a beam of parallel light is generated. The method utilizes a spatial-to-frequency domain transformation that substantially reduces the computational workload. Once the object representation in the frequency domain has been generated, the computational workload needed to generate a projection is significantly less than that needed in other methods.

4 Claims, 2 Drawing Sheets

