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(54) **Title:** SYSTEM AND METHOD FOR GENERATING AND VISUALIZING AN INTERIOR DESIGN IN A THREE-DIMENSIONAL REPRESENTATION

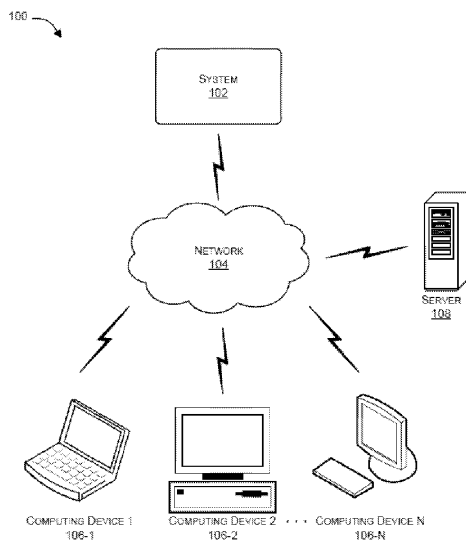


FIG. 1

(57) **Abstract:** The present disclosure provides systems and methods for generating an interior design pertaining to a floor plan and creating a three-dimensional (3D) representation of the interior design for achieving high quality interior décor for residential as well as commercial properties. An aspect of the present disclosure pertains to a system for generating and visualizing the interior design in the 3D representation that includes a two-dimensional image receive module to receive a two-dimensional input image of the floor plan, a shape determination module to determine shape of a defined space of the floor plan, an object position determination module to determine position of one or more objects in the defined space, an object placement module to place the one or more objects in the defined space, and a three-dimensional representation generation module to generate a 3D representation of the interior design pertaining to the floor plan.

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