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(54) Title: METHOD AND APPARATUS FOR POINT CLOUD CODING

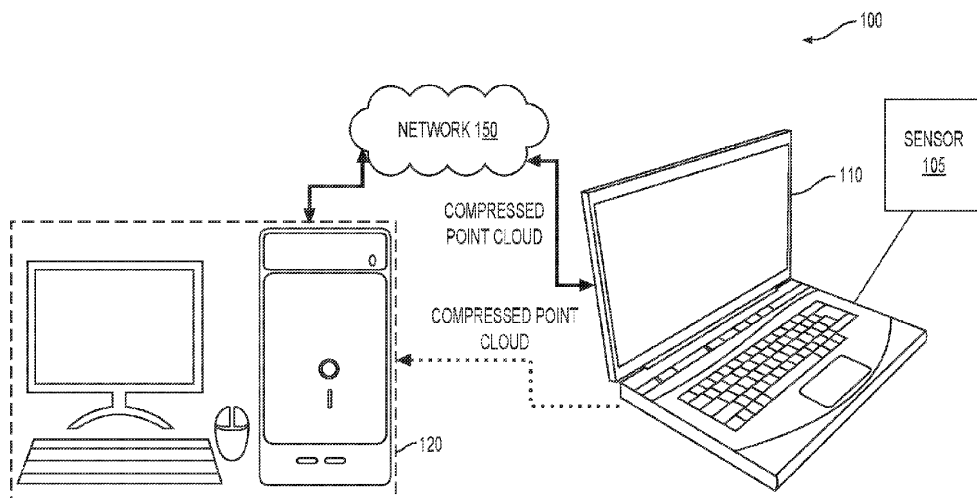


FIG. 1

(57) Abstract: A method of point cloud geometry decoding in a point cloud decoder is provided. In the method, first signaling information is received from a coded bitstream for a point cloud that includes a set of points in a three-dimensional (3D) space. The first signaling information indicates partition information of the point cloud. Second signaling information is determined based on the first signaling information indicating a first value. The second signaling information is indicative of a partition mode of the set of points in the 3D space. Further, the partition mode of the set of points in the 3D space is determined based on the second signaling information. The point cloud is reconstructed subsequently based on the partition mode.

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