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(54) Title: METHOD FOR ENCODING AND DECODING A POINT CLOUD

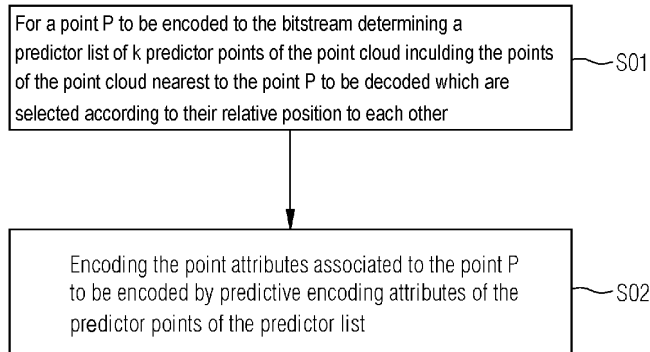


Figure 1

(57) Abstract: Method for encoding and decoding, in a bitstream, point attributes associated to a point of a point cloud, as well as an encoder and a decoder. The method of encoding comprises: For a point P to be encoded to the bitstream determining a predictor list of k predictor points of the point cloud including points of the point cloud nearest to the point P to be encoded which are selected according to their relative position to each other; and Encoding the point attributes associated to the point P to be encoded by predictive encoding based on attributes of the predictor points of the predictor list.

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