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(54) Title: METHOD AND APPARATUS OF ENCODING/DECODING POINT CLOUD GEOMETRY DATA SENSED BY AT LEAST ONE SENSOR

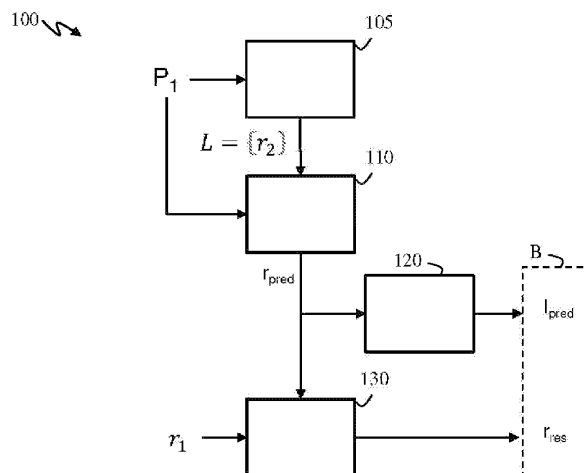


Fig. 25

(57) Abstract: There is provided methods and apparatus of encoding/decoding point cloud geometry data sensed by at least one sensor associated with a sensor index, said point cloud geometry data being represented by ordered coarse points occupying some discrete positions of a set of discrete positions of a two-dimensional space. The method comprises predictive encoding/decoding a residual radius (r_{res}) by using a predicting radius (r_{pred}) selected in a list of candidate radiuses ($L=\{r_2\}$) comprising at least one radius (r_2) associated with at least one occupied coarse point (P_2) that fulfills at least one eligibility condition indicating that the radius, associated with said at least one occupied coarse point (P_2), is likely reducing a dynamic of the residual radius (r_{res}).

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