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(54) **Title:** METHOD AND APPARATUS OF ENCODING/DECODING POINT CLOUD GEOMETRY DATA CAPTURED BY A SPINNING SENSORS HEAD

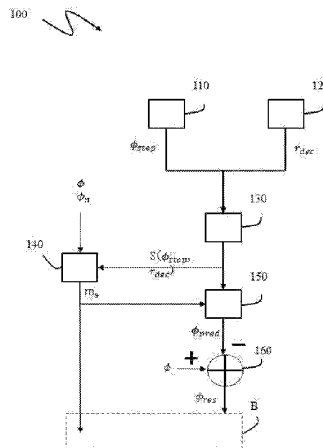


Fig. 8

(57) **Abstract:** There is provided methods and apparatus of encoding/decoding a point cloud into/from a bitstream of encoded point cloud data representing a physical object, each point of the point cloud being associated with spherical coordinates representing an azimuthal angle responsive to a capture angle of a sensor of a spinning sensor head that captured the point and a radius responsive of a distance of the point from a referential. The methods comprises a scaling of the elementary azimuthal step used for calculating a predicted azimuthal angle of an azimuthal angle of a point of the point cloud, from a decoded radius of said point. The azimuthal angle step is thus scaled dynamically and thus depends on the radius of the points of the point cloud.

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