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(71) Applicant: QUALCOMM INCORPORATED [US/US];
ATTN: International IP Administration, 5775 Morehouse
Drive, San Diego, California 92121-1714 (US).

(72) Inventors: RAY, Bappaditya; 5775 Morehouse Drive,
San Diego, California 92121-1714 (US). RAMASUBRA-
MONIAN, Adarsh Krishnan; 5775 Morehouse Drive, San
Diego, California 92121-1714 (US). VAN DER AUW-
ERA, Geert; 5775 Morehouse Drive, San Diego, California
92121-1714 (US). KARCZEWICZ, Marta; 5775 More-
house Drive, San Diego, California 92121-1714 (US).

(74) Agent: JOSEPH, Jeffrey R.; Shumaker & Sieffert, P.A.,
1625 Radio Drive, Suite 100, Woodbury, Minnesota 55125
(US).

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(54) Title: CODING OF COMPONENT OF COLOR ATTRIBUTES IN GEOMETRY-BASED POINT CLOUD COMPRESSION (G-PCC)

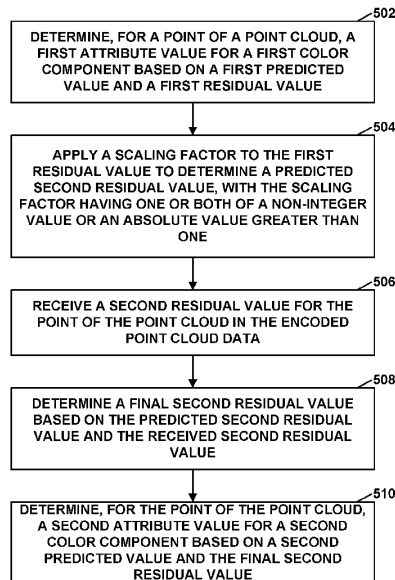


FIG. 5

(57) Abstract: A device for decoding encoded point cloud data can be configured to: for a point of a point cloud, determine a first attribute value for a first color component based on a first predicted value and a first residual value; apply a scaling factor to the first residual value to determine a predicted second residual value, wherein the scaling factor has one or both of a non-integer value or an absolute value greater than one; for the point of the point cloud, receive a second residual value in the encoded point cloud data; determine a final second residual value based on the predicted second residual value and the received second residual value; and for the point of the point cloud, determine a second attribute value for a second color component based on a second predicted value and the final second residual value.

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