



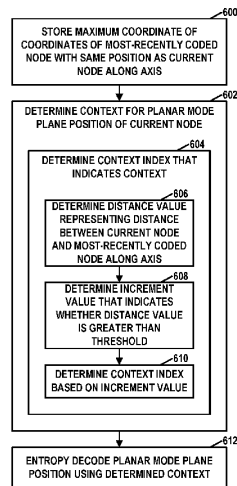
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- (71) **Applicant: QUALCOMM INCORPORATED** [US/US];
ATTN: International IP Administration, 5775 Morehouse
Drive, San Diego, California 92121-1714 (US).
- (72) **Inventors: VAN DER AUWERA, Geert;** 5775 More-
house Drive, San Diego, California 92121-1714 (US). **RA-**
MASUBRAMONIAN, Adarsh Krishnan; 5775 More-
house Drive, San Diego, California 92121-1714 (US).
RAY, Bappaditya; 5775 Morehouse Drive, San Diego,
California 92121-1714 (US). **KARCZEWICZ, Marta;**
5775 Morehouse Drive, San Diego, California 92121-1714
(US).

- (74) **Agent: EVANS, Matthew J.;** Shumaker & Sieffert, P.A.,
1625 Radio Drive, Suite 100, Woodbury, Minnesota 55125
(US).

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- (54) **Title:** GPCC PLANAR MODE AND BUFFER SIMPLIFICATION



- (57) **Abstract:** A method of encoding point cloud data comprises storing, in a buffer, a maximum coordinate of a pair of coordinates of an applicable node, wherein the applicable node is a most-recently encoded node with a same position as a current node along an applicable axis and the pair of coordinates are for axes different from the applicable axis; determining a context for a planar mode plane position of the current node, wherein determining the context for the planar mode plane position comprises determining, based on the maximum coordinate of the pair of coordinates of the applicable node, a distance value representing a distance between the current node and the applicable node; determining an increment value that indicates whether the distance value is greater than a threshold; and determining the context index based on the increment value; and entropy encoding the planar mode plane position using the determined context.

FIG. 6

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