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(71) Applicant: **TENCENT AMERICA LLC** [US/US]; 2747
Park Boulevard, Palo Alto, California 94306 (US).

(72) Inventors: **LI, Ling**; c/o Tencent America LLC, 2747 Park
Boulevard, Palo Alto, California 94306 (US). **LI, Xiang**;
c/o Tencent America LLC, 2747 Park Boulevard, Palo Al-
to, California 94306 (US). **LIU, Shan**; c/o Tencent Ameri-
ca LLC, 2747 Park Boulevard, Palo Alto, California 94306
(US).

(74) Agent: **MA, Johnny**; ArentFox Schiff LLP, 1717 K Street
NW, Washington, District of Columbia 20006 (US).

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(54) Title: TEMPLATE MATCHING BASED INTRA PREDICTION

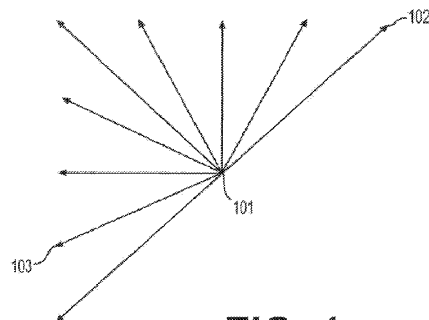
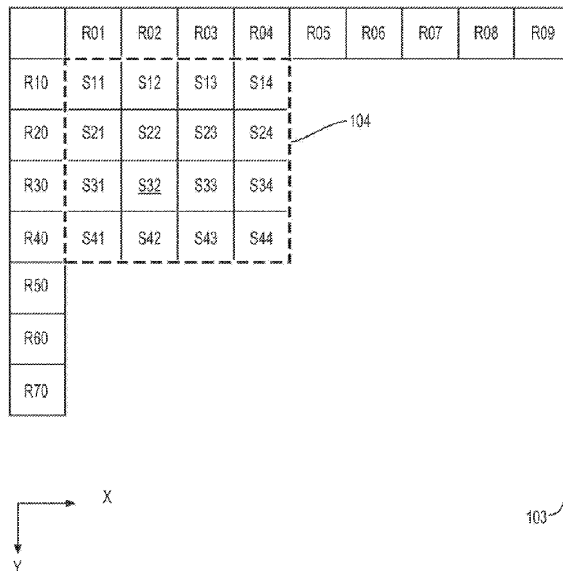


FIG. 1

(57) Abstract: In a method of decoding, coded information of a coding unit (CU), a template region, and a plurality of reference regions is received. The coded information includes a first syntax element indicating whether the CU is predicted based on a template matching based multiple reference line (MRL) intra prediction mode. In response to the first syntax element indicating that the CU is predicted based on the template matching based multiple reference line (MRL) intra prediction mode, a plurality of cost values is determined between (i) respective prediction samples of the template region based on samples in each of the plurality of reference regions, and (ii) reconstructed samples of the template region corresponding to the respective prediction samples. A reference region from the plurality of reference regions is determined based on the plurality of cost values. Samples of the CU are reconstructed based on the samples in the determined reference region.

[Continued on next page]

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