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

(72) Inventors: **PERINGASSERY KRISHNAN, Madhu**; c/o
TENCENT AMERICA LLC, 2747 Park Boulevard, Palo
Alto, California 94306 (US). **ZHAO, Xin**; c/o TENCENT
AMERICA LLC, 2747 Park Boulevard, Palo Alto, Califor-
nia 94306 (US). **LIU, Shan**; c/o TENCENT AMERICA
LLC, 2747 Park Boulevard, Palo Alto, California 94306
(US).

(74) Agent: **EMERY, David P.** et al.; 2000 Pennsylvania Ave.,
N.W., Suite 900, Washington, District of Columbia 20006
(US).

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(54) Title: METHOD AND APPARATUS FOR ADAPTIVE MULTI-HYPOTHESIS PROBABILITY MODEL FOR ARITHMETIC CODING

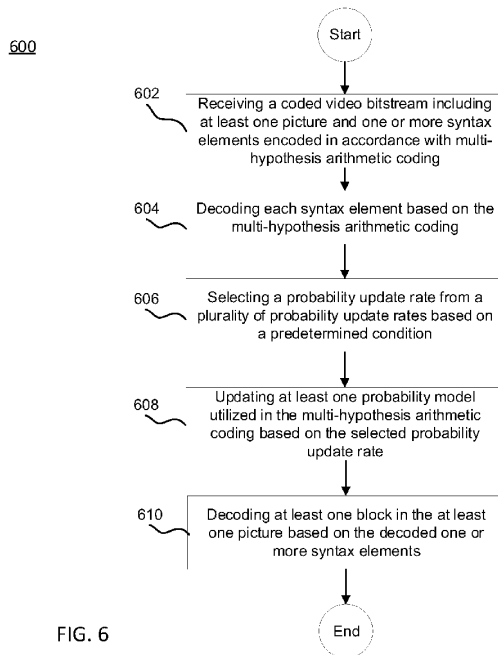


FIG. 6

(57) Abstract: A method performed by at least one processor of a video decoder includes receiving a coded video bitstream including at least one picture and one or more syntax elements encoded in accordance with multi-hypothesis arithmetic coding. The method further includes decoding each syntax element from the one or more syntax elements based on the multi-hypothesis arithmetic coding. The method further includes selecting a probability update rate from a plurality of probability update rates based on a predetermined condition, the plurality of probability update rates including a first probability update rate that is higher than a second probability update rate. The method further includes updating at least one probability model utilized in the multi-hypothesis arithmetic coding based on the selected probability update rate. The method further includes decoding at least one block in the at least one picture based on the decoded one or more syntax elements.

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