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(54) **CLASSIFICATION IN ADAPTIVE LOOP FILTERING**

(71) Applicants: **Beijing Bytedance Network Technology Co., Ltd.**, Beijing (CN); **Bytedance Inc.**, Los Angeles, CA (US)

(72) Inventors: **Li Zhang**, San Diego, CA (US); **Kai Zhang**, San Diego, CA (US); **Hongbin Liu**, Beijing (CN); **Yue Wang**, Beijing (CN)

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(57) **ABSTRACT**

A method of video processing includes determining, for a conversion of a block of a video picture in a video and a bitstream representation of the video, gradients of a subset of samples in a region for a classification operation in a filtering process. The region has a dimension of M×N and the block has a dimension of K×L, M, N, K, L being positive integers. The block is located within the region. The method also includes performing the conversion based on the determining.