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(54) **Title:** TRAINING RATE CONTROL NEURAL NETWORKS THROUGH REINFORCEMENT LEARNING

(57) **Abstract:** Systems and methods for training rate control neural networks through reinforcement learning. During training, reward values for training examples are generated from the current performance of the rate control neural network in encoding the video in the training example and the historical performance of the rate control neural network in encoding the video in the training example.

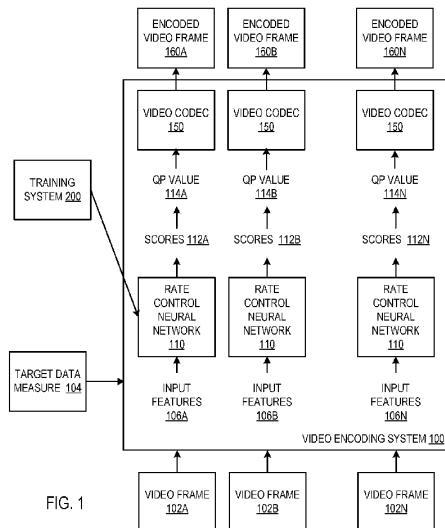


FIG. 1

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
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