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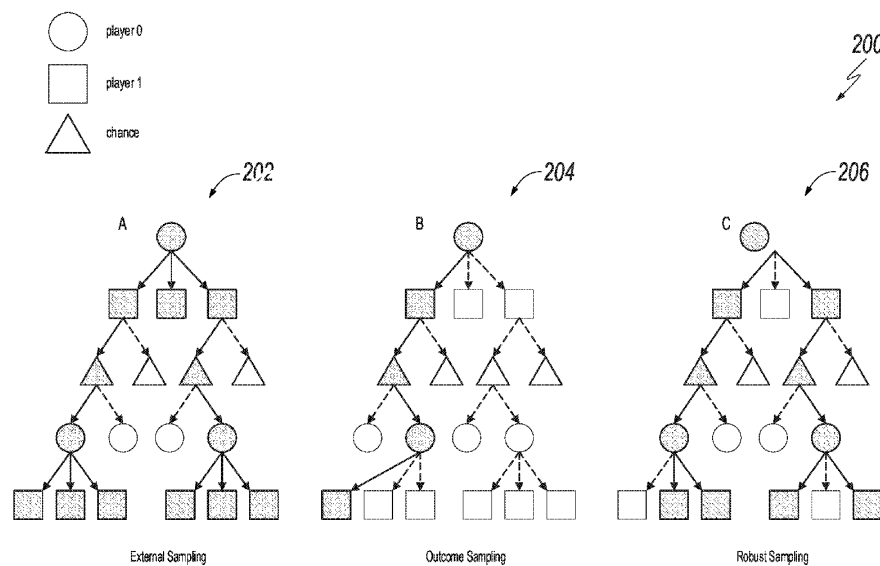


FIG. 2

(57) Abstract: Disclosed herein are methods, systems, and apparatus, including computer programs encoded on computer storage media, for performing counterfactual regret minimization (CRF) for strategy searching in strategic interaction between parties. One of the methods includes: identifying N1 possible actions of a first party in a first state of the first party; sampling a possible action out of the N1 possible actions in the first state of the first party with a first sampling probability; identifying N2 possible actions of the first party in a second state of the first party, wherein the first state of the first party is closer to a beginning state of the IIG than the second state of the first party; sampling a possible action out of the N2 possible actions in the second state of the first party with a second sampling probability, wherein the first sampling probability is less than the second sampling probability.

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