

Title (en)

Evaluation of possible fraud behaviour in online games

Title (de)

Verfahren zur Auswertung von Betrugsverhalten bei Online-Spielen

Title (fr)

Evaluation des cas de fraude pour jeux en ligne

Publication

EP 1642626 B1 20100217 (EN)

Application

EP 04023180 A 20040929

Priority

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Abstract (en)

[origin: EP1642626A1] The present invention relates to a system and a method for evaluation of possible fraud behavior in online games, such as internet poker games, between at least two parties with bets including valuables. A polling means fetches a plurality of input attributes for a specific state in a game between at least two players, wherein the state demands a decision from the players. The attributes and decisions taken are stored in a play array for each player. A predetermined agent array is provided with attributes closest to represent the specific state for each player and a conventional decision taken for the specific state for each player. A map array is provided with a set of possible agent arrays for specific state arrays as attributes, subdividing the set in at least two subsets. Each subset determines a class for the play arrays and at least one subset classifies a play array as conventional behavior and at least one subset classifies a play array as fraud behavior. A difference is determined between the play array and the agent array for each player through a comparator, and the difference is mapped on the map array positioned within one subset. Each player decision is classified in a subset during play, determining an individual player pattern over said subsets. The pattern comprises every decision taken by said individual player and determines said player as fraud if the corresponding pattern fits to a predetermined pattern of fraud behavior within said map array.

IPC 8 full level

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Cited by

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