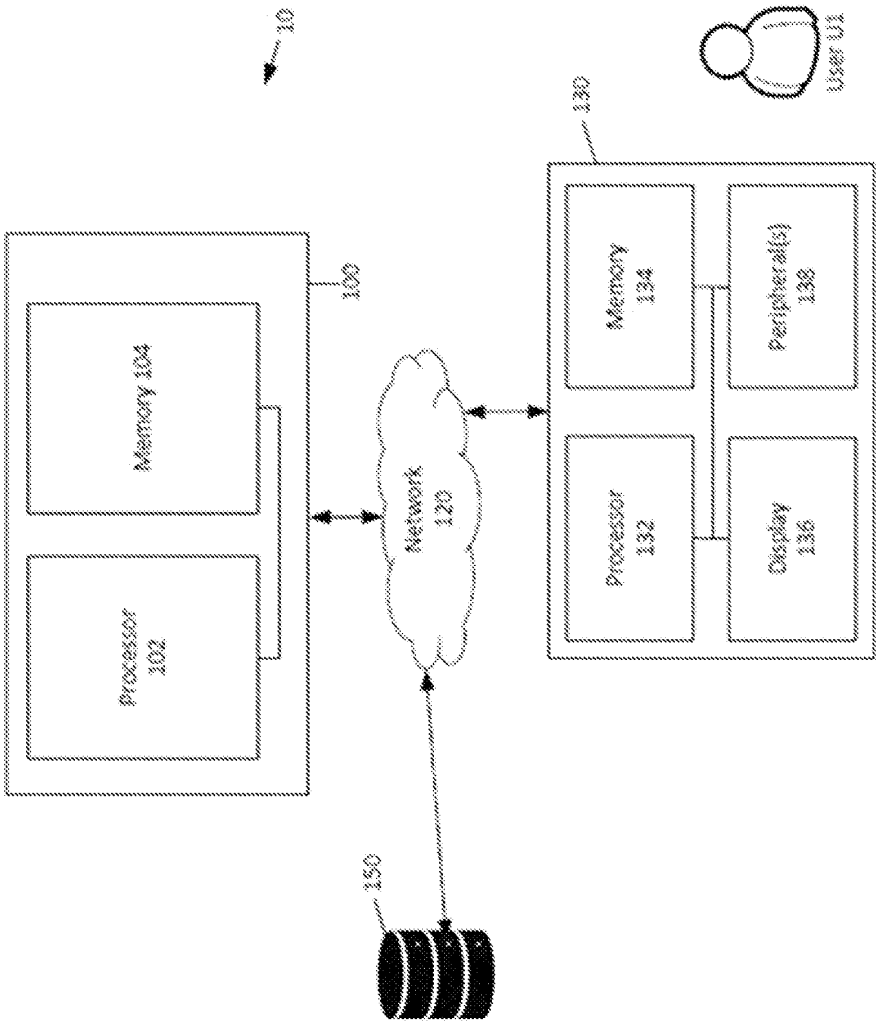

10
User U1
130
Memory 134
Peripheral(s) 138
Processor 132
Display 136
100
Memory 104
Processor 102
Network 120
150

FIG. 1

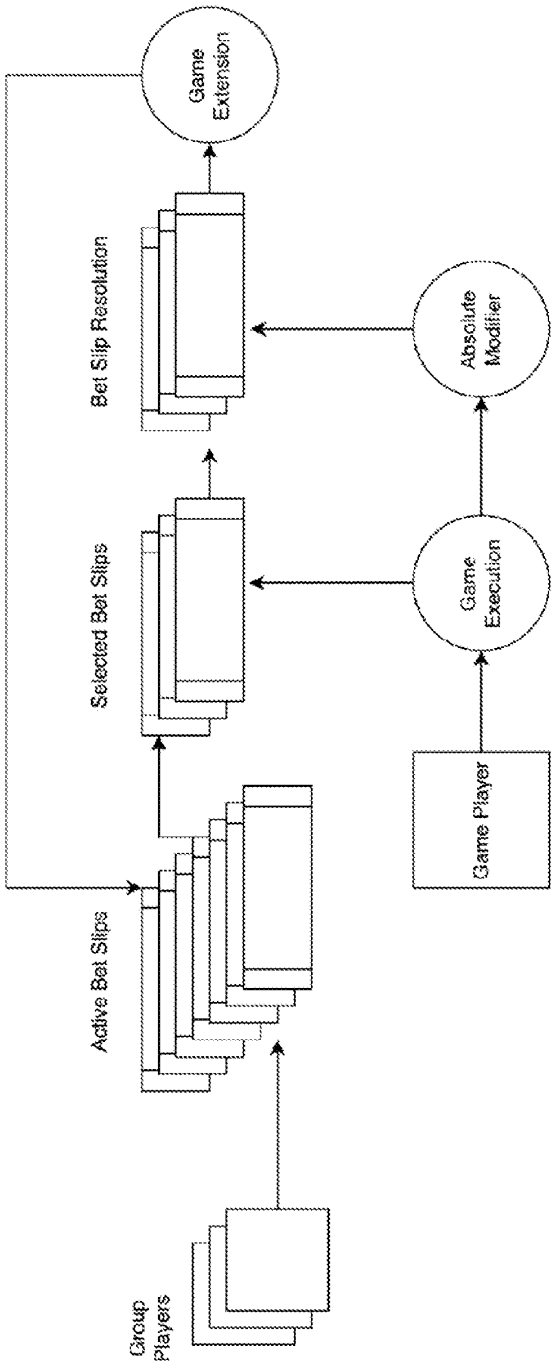

Group Players
Active Bet Slips
Selected Bet Slips
Bet Slip Resolution
Game Extension
Game Player
Game Execution
Absolute Modifier

FIG. 2

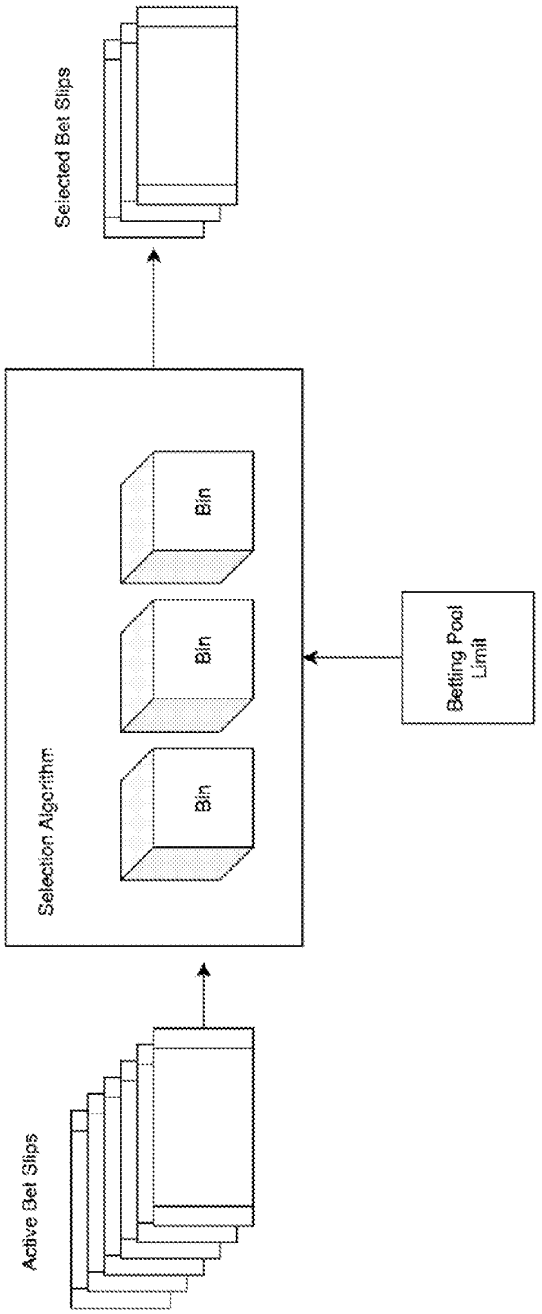

Selected Bet Slips
Selection Algorithm
Bin
Bin
Bin
Betting Pool Limit
Active Bet Slips

FIG. 3

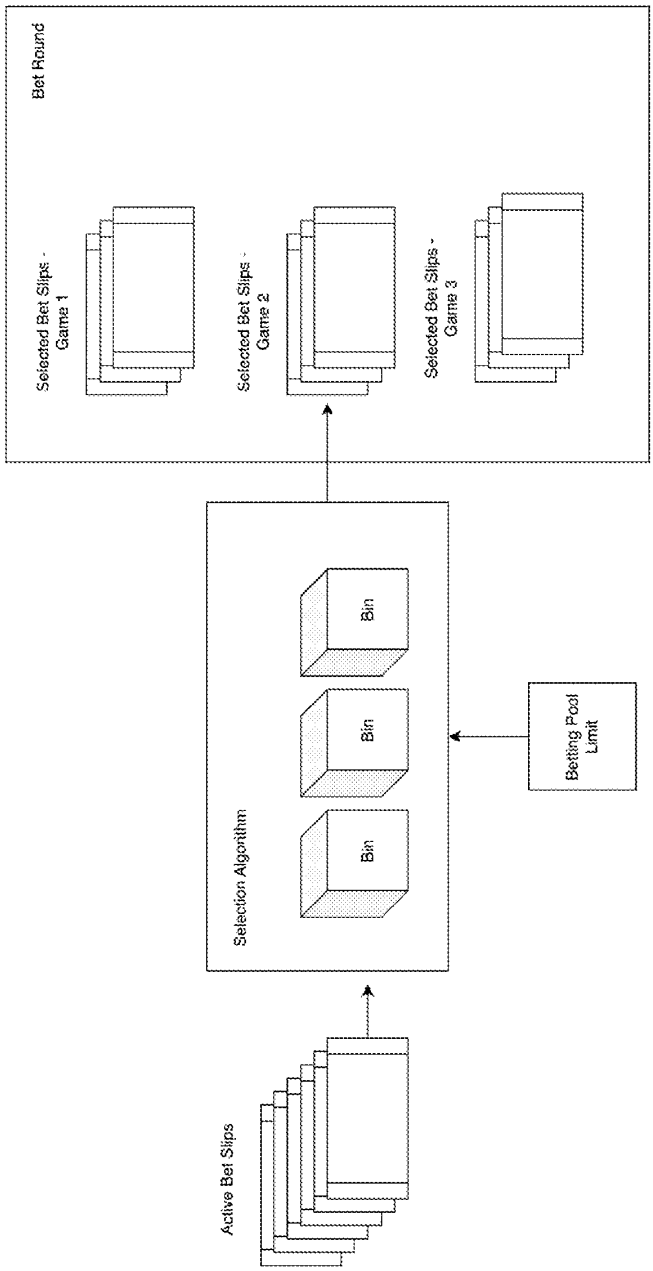

Bet Round
Selected Bet Slips - Game 1
Selected Bet Slips - Game 2
Selected Bet Slips - Game 3
Selection Algorithm
Bin
Bin
Bin
Betting Pool Limit
Active Bet Slips

FIG. 4

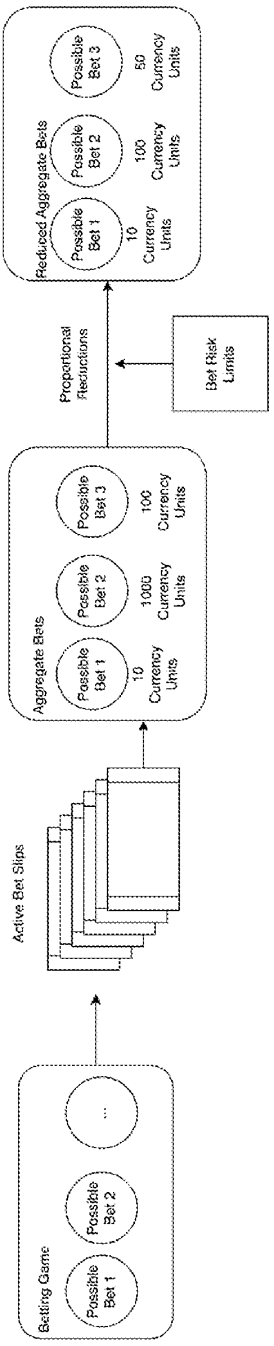

Betting Game
Possible Bet 1
Possible Bet 2
...
Active Bet Slips
Aggregate Bets
Possible Bet 1
10 Currency Units
Possible Bet 2
1000 Currency Units
Possible Bet 3
100 Currency Units
Proportional Reductions
Bet Risk Limits
Reduced Aggregate Bets
Possible Bet 1
10 Currency Units
Possible Bet 2
100 Currency Units
Possible Bet 3
50 Currency Units

FIG. 5

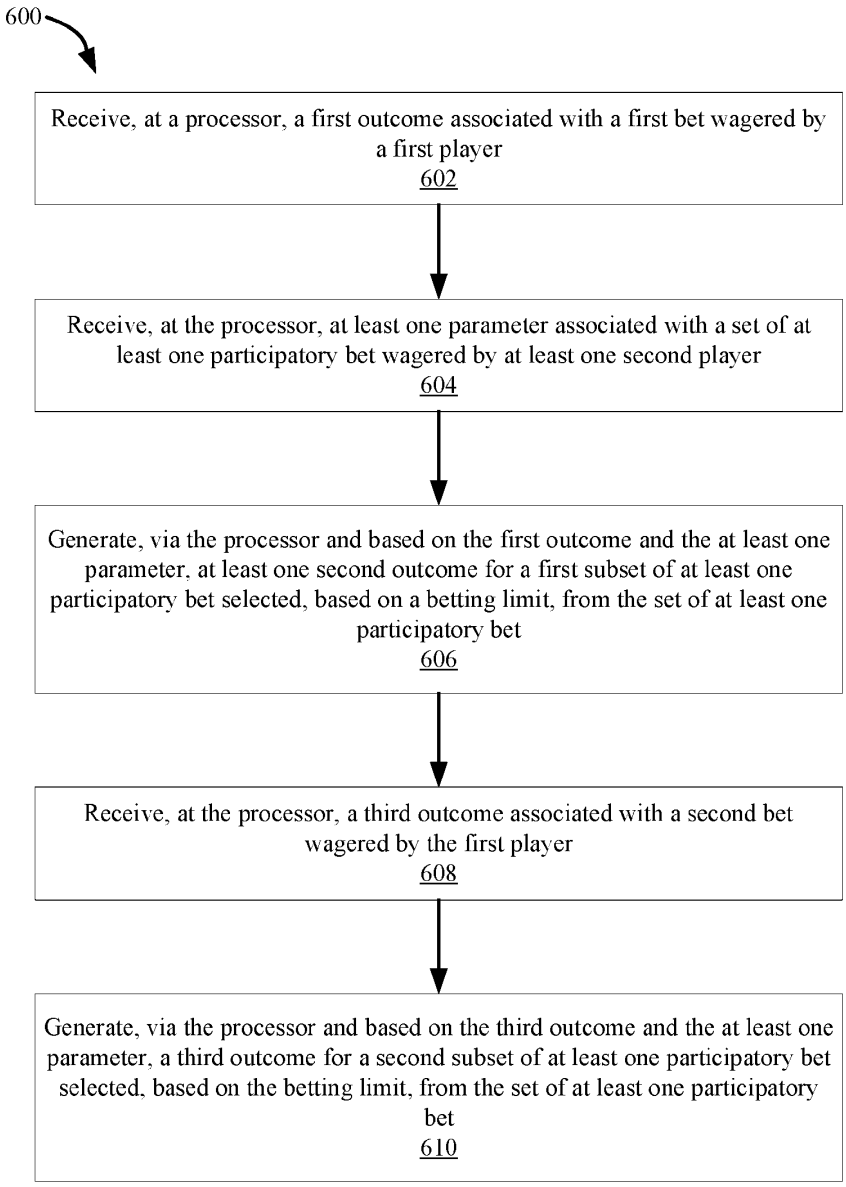

600
Receive, at a processor, a first outcome associated with a first bet wagered by a first player
602
Receive, at the processor, at least one parameter associated with a set of at least one participatory bet wagered by at least one second player
604
Generate, via the processor and based on the first outcome and the at least one parameter, at least one second outcome for a first subset of at least one participatory bet selected, based on a betting limit, from the set of at least one participatory bet
606
Receive, at the processor, a third outcome associated with a second bet wagered by the first player
608
Generate, via the processor and based on the third outcome and the at least one parameter, a third outcome for a second subset of at least one participatory bet selected, based on the betting limit, from the set of at least one participatory bet
610

FIG. 6

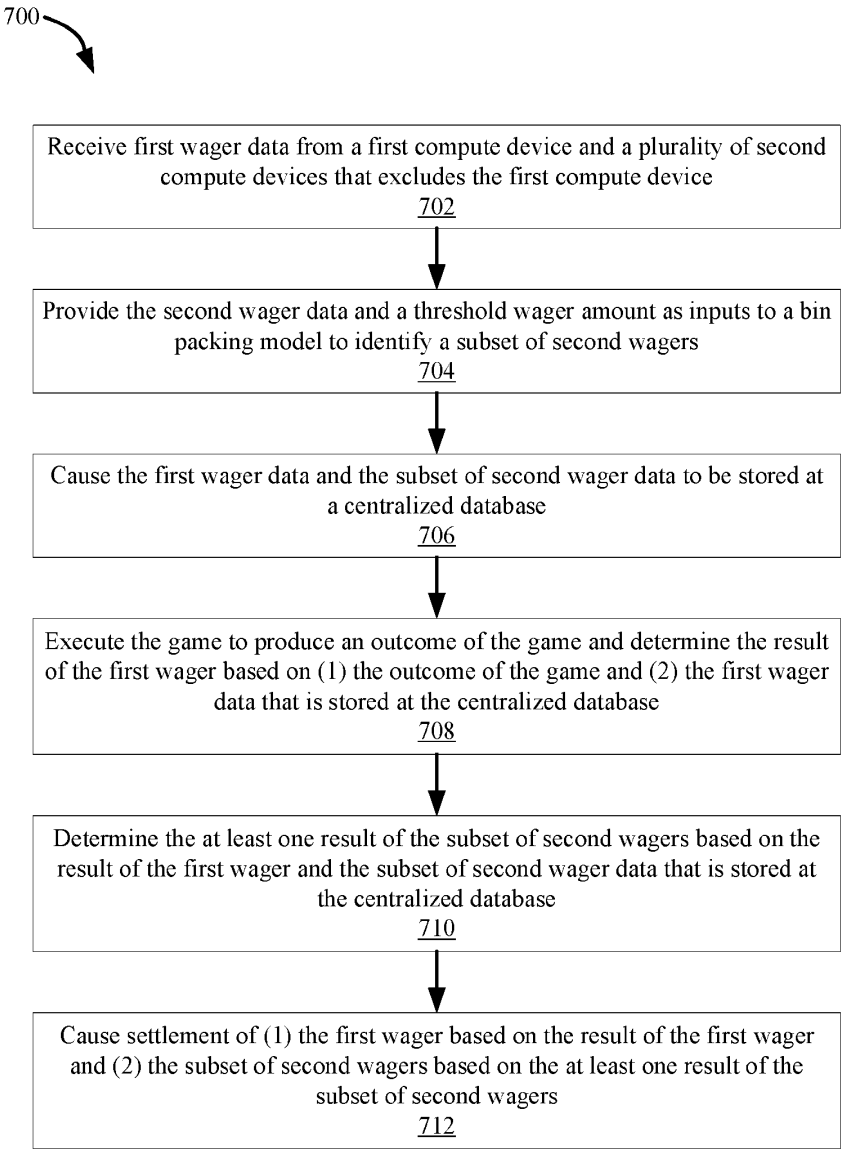

700
Receive first wager data from a first compute device and a plurality of second compute devices that excludes the first compute device
702
Provide the second wager data and a threshold wager amount as inputs to a bin packing model to identify a subset of second wagers
704
Cause the first wager data and the subset of second wager data to be stored at a centralized database
706
Execute the game to produce an outcome of the game and determine the result of the first wager based on (1) the outcome of the game and (2) the first wager data that is stored at the centralized database
708
Determine the at least one result of the subset of second wagers based on the result of the first wager and the subset of second wager data that is stored at the centralized database
710
Cause settlement of (1) the first wager based on the result of the first wager and (2) the subset of second wagers based on the at least one result of the subset of second wagers
712

FIG. 7

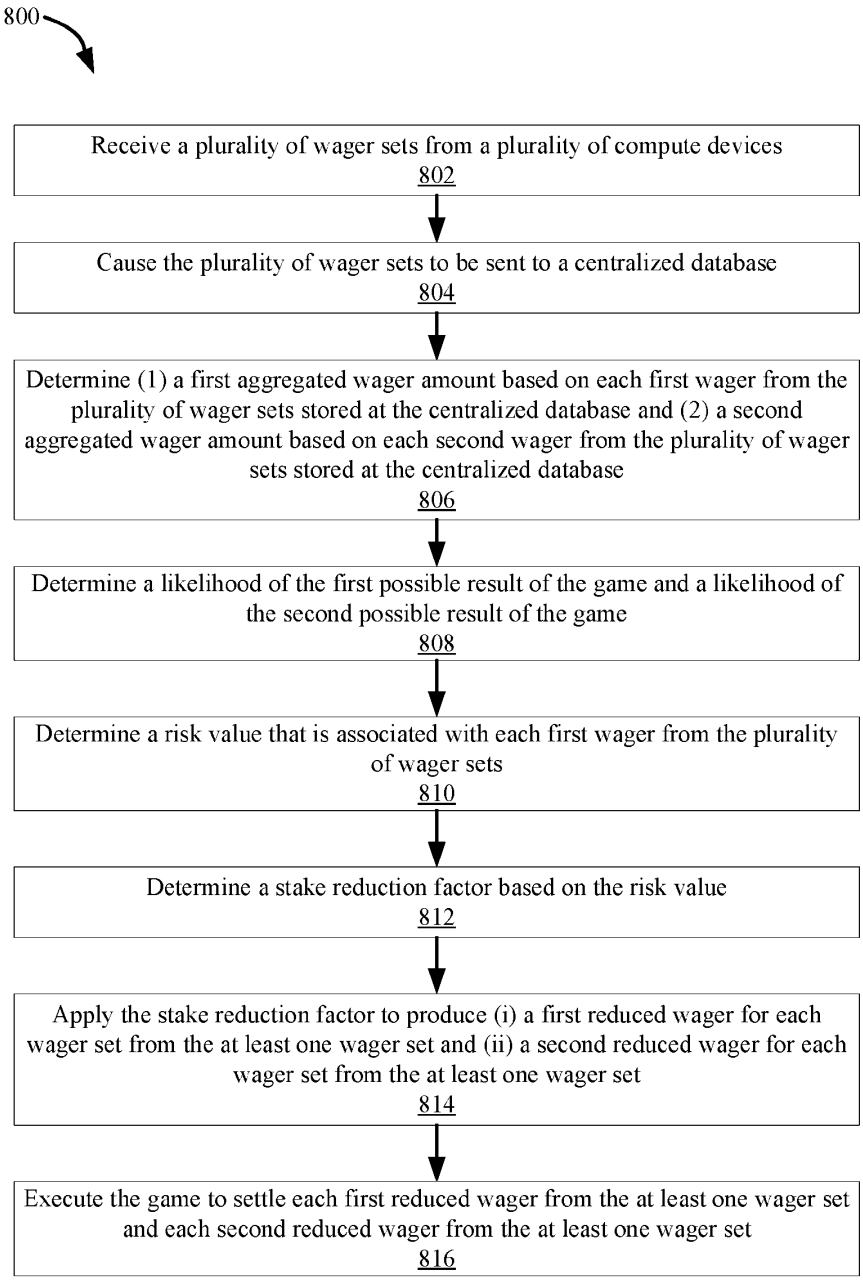

800
Receive a plurality of wager sets from a plurality of compute devices
802
Cause the plurality of wager sets to be sent to a centralized database
804
Determine (1) a first aggregated wager amount based on each first wager from the plurality of wager sets stored at the centralized database and (2) a second aggregated wager amount based on each second wager from the plurality of wager sets stored at the centralized database
806
Determine a likelihood of the first possible result of the game and a likelihood of the second possible result of the game
808
Determine a risk value that is associated with each first wager from the plurality of wager sets
810
Determine a stake reduction factor based on the risk value
812
Apply the stake reduction factor to produce (i) a first reduced wager for each wager set from the at least one wager set and (ii) a second reduced wager for each wager set from the at least one wager set
814
Execute the game to settle each first reduced wager from the at least one wager set and each second reduced wager from the at least one wager set
816

FIG. 8

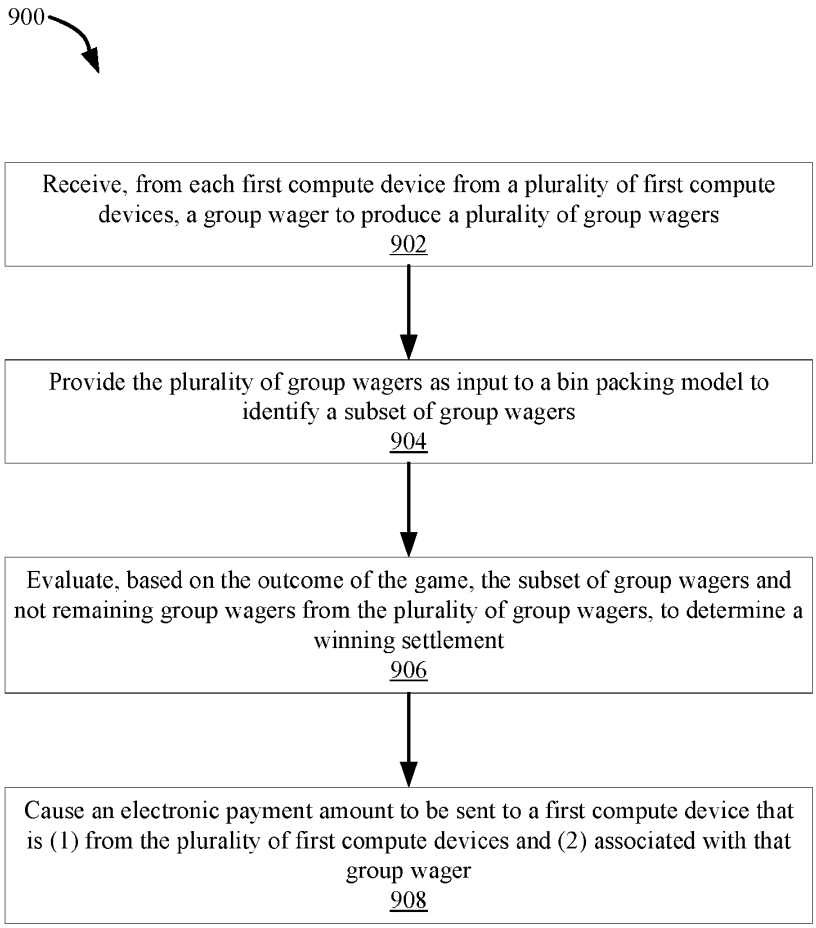

900
Receive, from each first compute device from a plurality of first compute devices, a group wager to produce a plurality of group wagers
902
Provide the plurality of group wagers as input to a bin packing model to identify a subset of group wagers
904
Evaluate, based on the outcome of the game, the subset of group wagers and not remaining group wagers from the plurality of group wagers, to determine a winning settlement
906
Cause an electronic payment amount to be sent to a first compute device that is (1) from the plurality of first compute devices and (2) associated with that group wager
908

FIG. 9