CLAIMS

1. A network for securing one or more conveyance services for a conveyance client by at least one autonomous vehicle (AV) operated by an owner/controller and in communication with the network, wherein the conveyance client has a conveyance client device in communication with the network, the network comprising:

at least one external server in communication with the network, the at least one external server associated with a business entity that provides goods or services, the at least one external server comprising a substantially real time source of conveyance service requests for the conveyance client and conveyance data, at least a portion of the conveyance data comprising vehicle-related data relating to the at least one AV;

at least one central server in communication with the network, wherein the at least one central server is automated in whole or in part and configured for repeatedly receiving the conveyance service requests and the AV-related data from the at least one external server and for performing one or more of standardizing and aggregating one or a combination of the conveyance service requests and the AV-related data;

at least one autonomous vehicle (AV) application associated with the at least one AV, the at least one AV application configured for communicating one or a combination of geographical location data and AV-related data to the network;

at least one owner/controller application in communication with the network, the at least one owner/controller application configured for entry by the owner/controller of one or more owner/controller preference;

wherein the at least one central server is further configured to process the one or more conveyance service requests comprising conveyance data corresponding to at least one feature of the conveyance service requests, the geographical location data, the one or more owner/controller preference, and the AV-related data, and wherein the at least one central server is further configured to repeat the steps of, until halted by the owner/controller or the business entity:

(a) filtering, in any order:

(i) at least a portion of the conveyance service requests by using one or a combination of the one or more owner/controller preference and the geographical location data to identify a filtered subset of conveyance service requests;

(ii) at least a portion of the AV-related data by using one or a

combination of the one or more owner/controller-selected preferences and the geographical location data to identify a filtered subset of AV-related data;

(b) identifying one or more matches between the filtered subset of conveyance service requests and the filtered subset of AV-related data based on one or a combination of the one or more owner/controller-selected preference and the geographical location data; and

(c) securing the one or more matches by communicating one or more of the one or more matches and conveyance service instructions to the at least one AV to cause the AV to provide the one or more conveyance services for the conveyance client.

2. The network of claim 1, wherein the conveyance service requests comprise one or more pre-filtered conveyance service requests, and wherein at least one of the group consisting of the conveyance service requests, the one or more pre-filtered conveyance service requests, and the AV-related data is structured in at least one different format, and wherein the at least one central server is further configured to standardize or convert the at least one of the group into at least one uniform format.

3. The network of claim 1, wherein all or some of the conveyance service requests, the geographical location data, and the AV-related data are sourced or provided by at the least one external server.

4. The network of claim 1, wherein all or some of the conveyance service requests are requests comprising one or more of ride-hail, ride-share, car-share, peer-to-peer conveyance, transportation, person delivery, taxi, shuttle, good delivery, item delivery, medical service and delivery, food delivery, courier delivery, freight delivery, and animal delivery.

5. The network of claim 1, wherein conveyance data comprises at least one data type selected from beginning service geographical location, ending service geographical location, pricing information, the one or more owner/controller preference, distance parameter, estimated time of arrival, time to destination, conveyance client geographical location, conveyance client review, conveyance client rating, conveyance client detail, conveyance

service detail, conveyance service route, preferred conveyance client, sensor data, representative geographical location, representative review, representative rating, representative detail, autonomous vehicle geographical location, autonomous vehicle review, autonomous vehicle rating, autonomous vehicle detail, preferred autonomous vehicle, route planning preference, fuel economy preference, battery longevity preference, vehicle capacity preference, vehicle diagnostic preference, conveyance data preference, service provider geographical location, service provider review, service provider rating, service provider detail, preferred service provider, good supplier geographical location, good supplier review, good supplier rating, good supplier detail, preferred good supplier, fleet manager geographical location, fleet manager review, fleet manager rating, fleet manager detail, preferred fleet manager, logistics provider geographical location, logistics provider review, logistics provider rating, logistics provider detail, preferred logistics provider, logistics supplier geographical location, logistics supplier review, logistics supplier rating, logistics supplier detail, preferred logistics supplier, conveyance industry segment detail, preferred conveyance industry segment, good detail, item detail, type of vehicle detail, vehicle detail, measurement of statistical variable, level of service detail, fuel consumption, battery level, vehicle diagnostic, and vehicle capacity.

6. The network of claim 1, wherein all or some of the conveyance service requests are filtered to identify all or some of the filtered subset of conveyance service requests by at least one of the processes of categorizing, filtering, characterizing, screening, selecting, separating, identifying, specifying, distinguishing, naming, numbering, ordering, systematizing, tagging, labeling, recognizing, arranging, bracketing, ranking, organizing, classifying, segregating, isolating, grouping, and comparing.

7. The network of claim 6, wherein the AV-related data is filtered to identify the filtered subset of AV-related data by at least one of the processes of categorizing, filtering, characterizing, screening, selecting, separating, identifying, specifying, distinguishing, naming, numbering, ordering, systematizing, tagging, labeling, recognizing, arranging, bracketing, ranking, organizing, classifying, segregating, isolating, grouping, and comparing, and wherein at least one weighted average of the one or more owner/controller preference is

used to identify the one or more matches between the filtered subset of conveyance service requests and the filtered subset of AV-related data.

8. The network of claim 7, wherein at least one different geographical location is used other than the geographical location data when filtering one or a combination of the conveyance service requests and the AV-related data.

9. The network of claim 1, wherein the one or more owner/controller preference comprises one or more service characteristic selected from pricing, elevated pricing, geographical location, distance, route, service duration, beginning service geographical location, ending service geographical location, time, predictive, historical, efficiency, sensor, event, traffic based, road condition, weather condition, transportation, route planning, fuel economy, battery longevity, vehicle capacity, vehicle diagnostic, conveyance data, duration of conveyance service, conveyance service request density, conveyance client density, conveyance client detail, conveyance client rating, representative density, autonomous vehicle density, service provider, service provider density, level of service, good supplier, good supplier density, fleet manager, fleet manager density, logistics provider, logistics provider density, logistics supplier, logistics supplier density, good detail, conveyance industry segment, freight, waypoint, delivery service, and oldest outstanding request.

10. The network of claim 1, wherein the at least one central server is configured to repeatedly receive and process updated conveyance service requests and updated AV-related data to secure additional matches in at least one of a different conveyance industry segment and a similar conveyance industry segment.

11. The network of claim 1, wherein one or more of the conveyance service requests, the one or more matches, the AV-related data, the one or more owner/controller-selected preference, and the geographical location data is identified or updated in substantially real time as the geographical location of the at least one AV updates or changes or as traffic information updates or changes.

12. The network of claim 1, wherein the at least one central server is further configured to communicate the one or more matches to the owner/controller, and wherein the owner/controller uses the at least one owner/controller application or the at least one AV application to secure the one or more matches.

13. The network of claim 12, wherein the owner/controller accepts or declines the one or more matches.

14. The network of claim 13, wherein the owner/controller of the at least one AV declines the one or more matches and in response thereto, the at least one central server identifies one or more different matches.

15. The network of claim 1, wherein the one or more matches comprise a plurality of matches that are secured concurrently.

16. The network of claim 1, wherein one or more of the at least one AV application, the at least one owner/controller application, the at least one central server, and the at least one external server is combined or integrated.

17. A method for securing conveyance services for a conveyance client by at least one autonomous vehicle (AV) operated by an owner/controller and in communication with the network, the conveyance client having a conveyance client device in communication within the network, the method comprising:

(a) receiving at at least one central server in communication with the network in substantially real time, in any order:

(i) conveyance service requests and AV-related data from at least one external server associated with a business entity that provides goods or services, the conveyance service requests comprising conveyance data corresponding to at least one feature of the conveyance service requests, wherein the at least one external server comprises one or more of a substantially real time source of the conveyance service

requests and a substantially real time source of conveyance data, at least a portion of the conveyance data comprising autonomous vehicle (AV)-related data relating to the at least one AV;

(ii) geographical location data; and

(iii) one or more owner/controller preference entered by the owner/controller;

(b) filtering, in any order, the conveyance service requests and the AV-related data to:

(i) identify a filtered subset of conveyance service requests using one or a combination of the one or more owner/controller-selected preference and the geographical location data; and

(ii) identity a filtered subset of AV-related data using one or a combination of the one or more owner/controller-selected preference and the geographical location data;

(c) identifying one or more matches between the filtered subset of conveyance service requests and the filtered subset of AV-related data based on one or a combination of the one or more owner/controller-selected preference and the geographical location data;

(d) securing the one or more matches by
communicating conveyance service instructions to the at least one AV to cause the at least one AV to provide one or more conveyance services for the conveyance client;

wherein the at least one central server is automated in part and configured to repeat steps (a) – (d) until halted by the owner/controller or the business entity.

18. The method of claim 17, wherein the conveyance service requests comprise one or more pre-filtered conveyance service requests, and wherein at least one of the group consisting of the conveyance service requests, the one or more pre-filtered conveyance service requests, and the AV-related data is structured in a different format, wherein the at least one central server is further configured to standardize or convert the group to a uniform format.

19. The method of claim 17, wherein the one or more owner/controller preference is stored or cached on one or more of the at least one at least one AV application, at least one owner/controller application, the at least one central server, and the at least one external server.

20. The method of claim 17, wherein the conveyance service requests are filtered by one or more process of categorizing, filtering, characterizing, screening, selecting, separating, identifying, specifying, distinguishing, naming, numbering, ordering, systematizing, tagging, labeling, recognizing, arranging, bracketing, ranking, organizing, classifying, segregating, isolating, grouping, and comparing.

21. The method of claim 17, wherein at least one different geographical location is used other than the geographical location data when filtering one or a combination of the conveyance service requests and the AV-related data.

22. The method of claim 17, wherein the one or more matches relating to the one or more owner/controller-selected preference is identified from one or more of the filtered conveyance service requests and the filtered subset of AV-related data by processing using one or more of a sorting algorithm, a selection algorithm, a search algorithm, a merge algorithm, a maximum function, a minimum function, a graph algorithm, a graph search algorithm, a tree algorithm, a tree search algorithm, a matrix calculation, a matrix algorithm, and a comparison.

23. The method of claim 22, wherein at least one weighted average of the one or more owner/controller preference is used to identify the one or more matches between the filtered subset of conveyance service requests and the filtered subset of AV-related data.

24. The method of claim 17, wherein the at least one central server is further configured to communicate the one or more matches to the owner/controller, and wherein the owner/controller uses the at least one owner/controller application or the at least one AV application to secure the one or more matches.

25. The method of claim 24, wherein the owner/controller declines the one or more matches an in response thereto, the at least one central server identifies one or more different matches.

26. The method of claim 17, wherein the one or more matches comprise a plurality

of matches that are secured concurrently.

27. The method of claim 17, wherein one or more of the conveyance service requests, the one or more matches, the AV-related data, the one or more owner/controller-selected preference, and the geographical location data is identified or updated in substantially real time as the geographical location of the at least one AV updates or changes or as traffic information updates or changes.

28. The method of claim 17, wherein one or more of the at least one AV application, the at least one owner/controller application, the at least one central server, and the at least one external server is combined or integrated.