

AMENDMENTS

IN THE CLAIMS:

Please amend claims 1, 7, 11, and 13 as follows:

1. (Currently Amended) A method for customizing diagnostic assistance, comprising:
 - receiving a trigger and a snapshot package; and
 - taking a snapshot based on an occurrence of the trigger, the snapshot package, and a configuration of a vehicle, wherein the configuration of the vehicle is indicative of one or more relationships between one or more components of the vehicle, wherein taking the snapshot comprises recording a set of one or more parameters from one or more corresponding components of the vehicle based on one or more of the relationships between respective components of the vehicle, wherein the snapshot package is associated with one or more of the parameters from one or more corresponding components of the vehicle based on one or more symptoms exhibited by the vehicle,
 - wherein the receiving or the taking are implemented via a processing unit.
2. (Original) The method of claim 1, comprising receiving the configuration of the vehicle.
3. (Original) The method of claim 1, wherein the trigger comprises a diagnostic trouble code (DTC).
4. (Original) The method of claim 3, wherein one or more of the corresponding components sends the DTC.

5. (Original) The method of claim 3, wherein one or more of the corresponding components does not send the DTC.
6. (Original) The method of claim 1, comprising generating custom diagnostic assistance based on the snapshot.
7. (Currently Amended) A system for customizing diagnostic assistance, comprising:
 - one or more controller area networks (CANs) receiving an occurrence of a trigger and a snapshot package; and
 - a snapshot component taking a snapshot based on the occurrence of the trigger, the snapshot package, and a configuration of a vehicle, wherein the configuration of the vehicle is indicative of one or more relationships between one or more components of the vehicle, the snapshot component configured to record a set of one or more parameters from one or more corresponding components of the vehicle based on one or more of the relationships between respective components of the vehicle, wherein the snapshot package is associated with one or more of the parameters from one or more corresponding components of the vehicle based on one or more symptoms exhibited by the vehicle,
 - wherein one or more of the CANs or the snapshot component are implemented via a processing unit.
8. (Previously Presented) The system of claim 7, comprising an interface component transmitting the snapshot to a third party.
9. (Previously Presented) The system of claim 7, comprising an analysis component generating a custom diagnostic assistance guide based on the snapshot.

10. (Previously Presented) The system of claim 7, comprising an analysis component generating an event report comprising a summary of one or more of the parameters.

11. (Currently Amended) The system of claim 7, comprising a storage component storing [[a]] the snapshot package, the snapshot package based on the configuration of the vehicle and a diagnostic trouble code (DTC).

12. (Previously Presented) The system of claim 11, wherein the snapshot component takes the snapshot based on the snapshot package.

13. (Currently Amended) A method for customizing diagnostic assistance, comprising:
 - receiving a snapshot comprising a set of one or more parameters from one or more corresponding components of a vehicle based on a snapshot package, wherein the snapshot package is associated with one or more of the parameters from one or more corresponding components of the vehicle based on one or more symptoms exhibited by the vehicle;
 - identifying one or more areas associated with one or more of the corresponding components or one or more additional components of the vehicle;
 - receiving a set of diagnostic assistance suggestions associated with one or more of the areas;
 - classifying one or more of the areas as suspect, non-suspect, or unknown based on the snapshot;
 - providing a subset of the diagnostic assistance suggestions based on the classification of one or more of the areas; and

selecting one or more of the parameters of the snapshot based on a configuration of the vehicle, wherein the configuration of the vehicle is indicative of one or more relationships between corresponding components or additional components of the vehicle,

wherein the receiving the snapshot, the identifying, the receiving the set of diagnostic assistance suggestions, the classifying, the providing, and the selecting are implemented via a processing unit.

14. (Previously Presented) The method of claim 13, comprising selecting one or more of the parameters of the snapshot based on one or more of the relationships between respective components of the vehicle.

15. (Original) The method of claim 13, comprising determining the subset of the diagnostic assistance suggestions by removing one or more diagnostic assistance suggestions classified as non-suspect.

16. (Original) The method of claim 13, wherein one or more of the areas are associated with one or more of the corresponding components, one or more of the additional components, one or more systems, one or more units, one or more connections, or one or more controller area networks (CANs) of the vehicle.

17. (Original) The method of claim 13, comprising receiving the set of diagnostic assistance suggestions from a diagnostic assistance library.

18. (Original) The method of claim 13, wherein a diagnostic assistance suggestion of the subset of the diagnostic assistance suggestions comprises an instruction to inspect one or more areas classified as suspect.

19. (Original) The method of claim 13, comprising generating an event report having a summary of one or more of the parameters.

20. (Original) The method of claim 13, wherein the snapshot comprises a snapshot window.