

Claims:

1. An Artificial intelligence-based hair and scalp diagnosis system 100, comprising
an electronic user interface 110;
a database 120 configured to collect hair and scalp related data from a plurality
5 of IOT devices 130;
a processor 140 coupled to an AI engine 150 configured for identifying a
characteristic information associated with the captured data and determining
identifiers associated with the captured data; and
a controller 160 encoded with instructions to process a plurality of data models
10 wherein the AI engine 150 determines identifiers in the data based on at least one of
the plurality of data models for analyzing condition of hair and scalp to recommend
the treatment to a user on the interface.
2. The system of claim 1 wherein, the data is an image data or text data or a
15 combination of both.
3. The system of claim 2 wherein the IOT devices 130 include scanning devices
configured for scanning the image data.
- 20 4. The system of claim 3 wherein the scanning devices scan the image data using at
least two magnification levels in multiple stages and processes the image data to
determine problems with the hair and scalp of the user.
5. The system of claim 2 wherein the identifiers are location coordinates on the image
25 data.
6. The system of claim 5 wherein pixel of the image, the location coordinates of the
identifiers, the at least one data model stored in a model database and AI based
processing logic enables determination of the condition and recommendation of the
30 treatment.
7. The system of claim 6 wherein the AI engine 150 enables comparison of the data
with a pre-existing diagnosis database for identifying a closest match to determine
condition of the hair and scalp.

8. The system of claim 1 wherein the system is provided in a cloud or cloud based computing environment.
- 5 9. The system of claim 5 wherein the AI engine 150 utilizes image processing, natural language processing and dynamically changing reference data models for diagnosis and recommendation of the treatment.
- 10 10. The system of claim 1, wherein the AI engine 150 is configured to compare the data with a standard library stored in a functional database.
11. The system of claim 1, wherein the AI engine 150 is configured to utilize a questionnaire answered by a user.
- 15 12. The system of claim 1, wherein the processor 140 is configured to produce a score and rating for the data.
13. The system of claim 12, wherein the AI engine 150 is configured to utilize previous results, score and rating, data matrix, and a plurality of pre-defined problem types.
- 20 14. The method of claim 9 wherein the characteristic information includes white spots on hair or scalp, buldge on the scalp, less moisture content, dandruff etc. determined by an image processing apparatus using natural language processing, neural networks and a prediction algorithm.
- 25 15. An Artificial Intelligence based hair and scalp diagnosis method, comprises:
capturing data related to hair and scalp of a patient using a plurality of IOT devices and storing the captured data in a database;
identifying a characteristic information associated with the captured data and
30 determining identifiers associated with the captured data using an AI engine, and
processing the characteristic information, the identifiers, at least one data model and AI based processing logic to identify and analyze condition of the hair and scalp of the patient to recommend a treatment to the user.

16. The method of claim 14 wherein the method is performed in a cloud or cloud based computing environment.
17. The method of claim 14 wherein the data is an image data or text data or a combination of both.
18. The method of claim 16 wherein the IOT devices include scanning devices configured for scanning the image data.
19. The method of claim 17 wherein the scanning devices scan the image data using at least two magnification levels in multiple stages and processes the image data to determine problems with the hair and scalp of the user.
20. The method of claim 16 wherein the identifiers are location coordinates on the image data.
21. The method of claim 17 wherein pixel of the image, the location coordinates of the identifiers, the at least one data model stored in a model database and AI based processing logic enables determination of the condition and recommendation of the treatment.
22. The method of claim 14 wherein the AI engine enables comparison of the data with a pre-existing diagnosis database for identifying a closest match to determine condition of the hair and scalp.
23. The method of claim 14 wherein the AI engine utilizes image processing, natural language processing and dynamically changing the at least one data model for diagnosis and recommendation of the treatment.
24. The method of claim 23 wherein the characteristic information includes white spots, buldge on the scalp, less moisture content, dandruff etc. determined by an image processing apparatus using natural language processing, neural networks and a prediction algorithm.

25. A non-transitory computer readable storage medium having computer readable instructions tangibly embodied thereon which, when implemented, cause at least one computing device to carry out steps comprising:
- capturing data related to hair and scalp of a patient using a plurality of IOT
- 5 devices and storing the captured data in a database;
- identifying a characteristic information associated with the captured data and determining identifiers associated with the captured data using an AI engine, and
- processing the characteristic information, the identifiers, at least one data
- 10 model and AI based processing logic to identify and analyze condition of the hair and scalp of the patient to recommend a treatment to the user.