



**GUJARAT TECHNOLOGICAL UNIVERSITY
(GTU)
INNOVATION COUNCIL (GIC)
Patent Search & Analysis Report
(PSAR)**



Date of Submission : 19/10/2019

Dear Arshad Tm Abdul Muthalif,

Studied Patent Number for generation of PSAR : 19BE7_160410116007_5

PART 1: PATENT SEARCH DATABASE USED

- | | | |
|-----------------------------------|---|---|
| 1. Patent Search Database used | : | Google Patents |
| Web link of database | : | https://patents.google.com/ |
| 2. Keywords Used for Search | : | NLP, Chat bot, AI |
| 3. Search String Used | : | NLP chatbot |
| 4. Number of Results/Hits getting | : | 606 |

PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA

- | | | |
|---|---|---|
| 5. Category/ Field of Invention | : | |
| 6. Invention is Related to/Class of Invention | : | NLP AI |
| 6 (a) : IPC class of the studied patent | : | G06N5/022 |
| 7. Title of Invention | : | ARTIFICIAL INTELLIGENCE PLATFORM WITH IMPROVED CONVERSATIONAL ABILITY AND PERSONALITY DEVELOPMENT |
| 8. Patent No. | : | |
| 9. Application Number | : | 16/193, 845 |
| 9 (a) : Web link of the studied patent | : | https://patents.google.com/patent/US20190156222A1/ |
| 10. Date of Filing/Application (DD/MM/YYYY) | : | 11/16/2018 |
| 11. Priority Date (DD/MM/YYYY) | : | |
| 12. Publication/Journal Number | : | |
| 13. Publication Date (DD/MM/YYYY) | : | |
| 14. First Filled Country : Albania | : | |

15. Also Published as

Sr.No	Country Where Filled	Application No./Patent No.
1		

16. Inventor/s Details.

Sr.No	Name of Inventor	Address/City/Country of Inventor
1	Maria Emma	New York City
2	Gregory Alexander D Amico	Knoxville

17. Applicant/Assignee Details.

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	Gregory Alexander D Amico	Knoxville
2	Maria Emma	New York City

18. Applicant for Patent is : Individual

PART 3: TECHNICAL PART OF PATENTED INVENTION**19. Limitation of Prior Technology / Art**

Chatbot for this particular field was not developed.

20. Specific Problem Solved / Objective of Invention

AI platform is used for enhancement of the user's personality.

21. Brief about Invention

The AI toy determines responses to stimuli based on user profiles and personality profiles that are developed through user interaction and external media input

22. Key learning Points

NLP
AI

23. Summary of Invention

The inputs are built from external sources and/or human-AI interaction, preferably, via a combination of pre-existing data that is supplemented and/or modified by human interaction with the AI platform of the present invention. When external sources are input, the AI analyzes and extracts meanings, personalities, and ideas from keywords and phrases in the external sources and incorporates the extracted meanings, personalities, and ideas into interactions with a user.

24. Number of Claims : 20

25. Patent Status : Published Application

26. How much this invention is related with your IDP/UDP?

> 91 %

27. Do you have any idea to do anything around the said invention to improve it? (Give short note in not more than 500 words)

Keeping in mind the scope of chatbot application, it must be developed for the genre of fields.