



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



**Date of Submission : 13/10/2019**

Dear Daruwala Mahammadtaaha Chandmahammad,

Studied Patent Number for generation of PSAR : 19BE7\_160410116023\_2

## **PART 1: PATENT SEARCH DATABASE USED**

1. Patent Search Database used	:	Google Patents
Web link of database	:	<a href="https://patents.google.com/">https://patents.google.com/</a>
2. Keywords Used for Search	:	chat ,application,nlp
3. Search String Used	:	chat,application,nlp
4. Number of Results/Hits getting	:	50

## **PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA**

5. Category/ Field of Invention	:	
6. Invention is Related to/Class of Invention	:	The present disclosure relates to information handling systems, such as networking devices.
6 (a) : IPC class of the studied patent	:	G06F17/277
7. Title of Invention	:	Natural language processing (NLP) interfacing with devices
8. Patent No.	:	US 9 , 792 , 275 B2
9. Application Number	:	14/641,148
9 (a) : Web link of the studied patent	:	<a href="https://patents.google.com/patent/">https://patents.google.com/patent/</a>
10. Date of Filing/Application (DD/MM/YYYY)	:	10/17/2017
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	Sachinrao Panemangalore	US
2	Vinay Sawal	US
3	Vivek Dharmadhikari	US
4	Kuntal Patel	US
5	Gavin Rechard Cato	US

**17. Applicant/Assignee Details.**

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	Dell Products LP	US

**18. Applicant for Patent is** : Company

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

As the value and use of information continues to increase, individuals and businesses seek additional ways to process and store information. Ever increasing demands for data and communications have resulted in vast arrays of ever expanding networks.

**20. Specific Problem Solved / Objective of Invention**

One option available to users is information handling systems. An information handling system generally processes, compiles, stores, and/or communicates information or data for business, personal, or other purposes thereby allowing users to take advantage of the value of the information. Because technology and information handling needs and requirements vary between different users or applications, information handling systems may also vary regarding what information is handled, how the information is handled, how much information is processed, stored, or communicated, and how quickly and efficiently the information may be processed, stored, or communicated. The variations in information handling systems allow for information handling systems to be general or configured for a specific user or specific use, such as financial transaction processing, airline reservations, enterprise data storage, or global communications.

**21. Brief about Invention**

The present disclosure relates to information handling systems, such as networking devices. More particularly, the present disclosure related to systems and methods for improving the ease of interfacing with one or more information handling systems. Aspects of the present invention provide a more universal, easy, natural, and vendor-agnostic interface to configure, manage, and/or monitor devices in networks. A typical data center often comprises multi-vendor networking equipment. Therefore, beyond the first-time configuration issues, every vendor has its own set of command line interfaces (CLI) or application programming interfaces (APIs) that the administrator must know and use in order to configure the devices.

**22. Key learning Points**

NLP Query lookup  
NLP Query forwarding  
CLI and API indexing

**23. Summary of Invention**

So conclusion is that The present disclosure relates to information handling systems. The variations in information handling systems allow for information handling systems to be general or configured for a specific user or specific use, such as financial transaction processing, airline reservations, enterprise data storage, or global communications. In addition, information handling systems may include a variety of hardware and software components that may be configured to process, store, and communicate information and may include one or more computer

systems, data storage systems, and networking systems.

**24. Number of Claims** : 20

**25. Patent Status** : Other ( Active )

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

< 70 %

**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)**

A computer-implemented method for converting a natural language input into a command input for a target device .  
Improve user experience.