



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



**Date of Submission : 19/10/2019**

Dear Kaustubh Shailesh Wade,

Studied Patent Number for generation of PSAR : 19BE7\_160410116050\_4

**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 : microsoft,bot,framework

3. Search String Used : microsoft bot framework

4. Number of Results/Hits getting : 20

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

5. Category/ Field of Invention :

6. Invention is Related to/Class of Invention : This application is related to a US Patent Application "Techniques for Messaging Bot App interaction

6 (a) : IPC class of the studied patent : H04W 4/12

7. Title of Invention : Techniques for messaging bot rich communications

8. Patent No. :

9. Application Number : PCT/US20 16/0 19969

9 (a) : Web link of the studied patent : <https://patents.google.com/patent/WO2017146742A1/en?q=micro+soft+bot+framework>

10. Date of Filing/Application (DD/MM/YYYY) : 02/26/2019

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	Seth Garrett Steinberg	US
2	STEINER Matthew	US
3	SUKHAR Ilya	US
4	KARIMIAN Pooya	US

**17. Applicant/Assignee Details.**

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	Facebook Inc	California

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

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

null

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

Methods and System for training bot

**21. Brief about Invention**

Techniques for messaging bots with rich communication are described. In one embodiment, an apparatus may comprise a messaging component operative to receive a message from a client device; and add the message to a message queue; a message queue monitoring component operative to monitor the message queue; detect that the message indicates messaging bot invocation; and submit the message to a bot framework component based on detecting that the message indicates messaging bot invocation; and the bot framework component operative to determine a messaging bot associated with the message; and submit the message to the messaging bot.

**22. Key learning Points**

null

**23. Summary of Invention**

The following presents a simplified summary in order to provide a basic understanding of some novel embodiments described herein. This summary is not an extensive overview, and it is not intended to identify key/critical elements or to delineate the scope thereof. Some concepts are presented in a simplified form as a prelude. Various embodiments are generally directed to techniques for messaging bots. Some embodiments are particularly directed to techniques for messaging bots with interactions within a messaging app. Some embodiments are particularly directed to techniques for messaging bots using rich communication over a messaging system. for example, an apparatus may comprise a user interface component operative to receive a messaging bot invocation in a message thread display on a client device; invoke a messaging bot interaction user interface on the client device in combination with the message thread display in response to the messaging bot invocation; receive a messaging bot interaction command via the messaging bot interaction user interface; and display a messaging bot interaction response in the message thread display; and a client messaging component operative to transmit the messaging bot interaction command from the client device to a messaging system; and receive the messaging bot interaction response from the messaging system at the client device.

**24. Number of Claims** : 35

**25. Patent Status**

: Other ( active )

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

71 to 90%

**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)**

none