



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



Date of Submission : 10/10/2019

Dear **Shah Dhruvi Manish**,

Studied Patent Number for generation of PSAR : **19BE7_160420107050_1**

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 : patent paper, augmented reality, lock

3. Search String Used : augmented reality for door lock

4. Number of Results/Hits getting : 7500

PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA

5. Category/ Field of Invention :

6. Invention is Related to/Class of Invention : Augmented Reality

6 (a) : IPC class of the studied patent : G07C 9/00

7. Title of Invention : Augmented reality advanced security authentication methodologies

8. Patent No. :

9. Application Number : PCT/CA20 14/05 1207

9 (a) : Web link of the studied patent : <https://patents.google.com/patent/WO2015085434A1/en?q=augmented+reality+door+lock>

10. Date of Filing/Application (DD/MM/YYYY) : 12/12/2014

11. Priority Date (DD/MM/YYYY) : 12/12/2013

12. Publication/Journal Number :

13. Publication Date (DD/MM/YYYY) : 06/18/2015

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	Johnson Jerrill	2813 Michelle Park

17. Applicant/Assignee Details.

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	KABA ILCO INC	7301 boul. De-carie

18. Applicant for Patent is : Company

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

The system fails when it loses internet connection.

20. Specific Problem Solved / Objective of Invention

To give access only to authenticated users by augmented reality.

21. Brief about Invention

This invention relates to facility security, and in particular to systems and methods for augmented reality enhanced advanced security authentication

22. Key learning Points

Augmented Reality

23. Summary of Invention

Methods and apparatus for actuating a controlled lock to access a facility are described. The apparatus includes an electronic lock enrolled with an access control cloud service. The lock is paired with at least one user also enrolled with the access control cloud service. The methods include sequences of messages and commands for requesting and granting access to the facility.

24. Number of Claims : 16

25. Patent Status : Published Application

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)

No suggestions