GTU - Project Monitoring and Mentoring System

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PSAR Details

PSAR No. : 20BE7_180163107002_1

Part - I : PATENT SEARCH TECHNIQUE USED

1. Patent Search Database Used	:	Google Patents
Web link of the Database	:	https://patents.google.com/
2. Keywords Used for Search	:	SMART,IOT ,CITY
3. Search String Used	:	SMART IOT CITY
4. Number of Results/Hits getting	:	9999

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

5. Category/Field of Invention	:	
6. Invention is Related to/Class of Invention	:	Internet of Things (IoT) Human Interface Apparatus, System, and Method
6a. IPC class of the studied patent	:	H04L 12/28
7. Title of Invention	:	SMART CITY APPARATUS , SYSTEM , AND METHOD
8. Patent No.	:	US 10,637,683 B2
9. Application No.	:	15 / 390,061
9a. Web link of the studied patent	:	https://patents.google.com/patent/US10637683B2/en?q=SMART+IOT+CITY&oq=SMART+IOT+CITY
10. Date of Filing/Application	:	Apr. 28 , 2020
11. Priority Date	:	
12. Publication/Journal Number - (Issue No. of Journal in which Patent is published)	:	
13. Publication Date	:	
14. First Filled Country	:	

15. Also Published as

Country	Patent No
United States	US 10

16. Inventor

Name of Inventor	Address/City/Country of Inventor
Tom Funk	United States
William R Walker	United States

Phil CARPENTER	United States

17. Applicant

Name of Applicant/Assignee	Address/City/Country of Applicant
CenturyLink Intellectual Property LLC	United States

18. Applicant for Patent is : Company

Part - III : TECHNICAL PART OF PATENTED INVENTION

19. Limitation of Prior Technology/Art :

- Internet Connectivity
- Need microprocessor for sending and receiving data from internet and send to iot devices
- Need periodic maintenance

20. Specific Problem Solved/Objective of Invention :

household devices associated with a customer premises; vehicular components associated with a vehicle; devices disposed in, on, or along a roadway; devices disposed throughout a population area; etc.

21. Brief about Invention :

Some tools and techniques are provided for implementing Internet of Things (“IoT”) functionality. In some embodiments, a computing system or IoT management node might receive sensor data from one or more IoT-capable sensors, analyze the sensor data to determine one or more actions to be taken, and identify one or more devices

22. Key Learning Points :

- Customer based iot
- Brief idea about how iot works
- Iot devices

23. Summary of Invention :

Novel tools and techniques are provided for implementing Internet of Things (“IoT”) functionality. In some embodiments, a computing system or IoT management node might receive sensor data from one or more IoT-capable sensors, analyze the sensor data to determine one or more actions to be taken, and identify one or more devices (e.g., household devices associated with a customer premises; vehicular components associated with a vehicle; devices disposed in, on, or along a roadway; devices disposed throughout a population area; etc.) for performing the determined one or more first actions. The computing system or IoT management node then autonomously controls each of the identified one or more devices to perform tasks based on the determined one or more first actions to be taken, thereby implementing smart environment functionality (e.g., smart home, building, or customer premises functionality, smart vehicle functionality, smart roadway functionality, smart city functionality, and so on).

24. Number of Claims : 24

25. Patent Status : Granted Patent & In-force Patent

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? :

No