GTU - Project Monitoring and Mentoring System

PSAR Details

PSAR No. : 20BE7_180163107002_5

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	:	Instant ,Messaging,using IOT
3. Search String Used	:	Instant Messaging using IOT
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	:	Network-specific arrangements or communication protocols supporting networked applications adapted f
6a. IPC class of the studied patent	:	H04L 29/08
7. Title of Invention	:	MACHINE-TO-MACHINE INSTANT MESSAGING
8. Patent No.	:	US 9,009,230 B1
9. Application No.	:	14/482,963
9a. Web link of the studied patent	:	https://patents.google.com/patent/US9009230B1/en?q=Machine-to-machine+instant+messaging&oq=Machine-to-machine+instant+messaging
10. Date of Filing/Application	:	Apr. 14, 2015
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	14/482

16. Inventor

Name of Inventor	Address/City/Country of Inventor
Geir Ramleth	US
Chris Matthieu	US

17. Applicant

Name of Applicant/Assignee	Address/City/Country of Applicant
Citrix Systems Inc	US

18. Applicant for Patent is : Company

Part - III : TECHNICAL PART OF PATENTED INVENTION

19. Limitation of Prior Technology/Art :

-Both devices need to follow same protocol to communicate
-Require network service

20. Specific Problem Solved/Objective of Invention :

Networks provide the ability for network connectable devices to communicate with one another. For example, Internet of Things (IoT) systems allow communication among various IoT devices and/or other devices. Many IoT systems provide a limited selection of devices that can interface with one another, such as devices that share a common source and/or manufacturer, devices that operate using a common proprietary connection protocol or interface, devices that have built-in communications capabilities, or the like. Typically, IoT systems enable only simple interactions between devices, oftentimes allowing only a single layer of processing and/or communication. IoT systems that may enable more complex interactions between devices tend to only allow devices to communicate with other devices that share a common proprietary connection protocol or interface.

21. Brief about Invention :

Techniques and systems for interfacing Internet Things (IoT) devices using different connection protocols are provided. For example, computing device, a method, and a computer-program product may be provided, and may include one or more data processors and a receiver for receiving a communication from a first IoT device communicatively connected to the computing device using a first connection protocol. The communication is received using the first connection protocol. A non-transitory computer-readable storage medium may contain instructions which when executed on the one or more data processors, cause the one or more processors to determine a second IoT device to which the communication is intended to be transmitted, determine a second connection protocol used by the second IoT device, and translate the communication to the second connection protocol. A transmitter may transmit the communication to the second IoT device that is communicatively connected to the computing device using the second connection protocol. The communication is transmitted using the second connection protocol.

22. Key Learning Points :

-How both devices communicate with each other

23. Summary of Invention :

Techniques and systems are described for providing a common messaging system or interface that allows various devices to exchange machine-to-machine instant messages in real-time or near real-time. For example, the common messaging system may be implemented by one or more network servers and may allow a device to exchange communications or messages with another device regardless of whether the devices are built by different manufacturers, operate using different connection protocols or interfaces, or whether the devices are built with the ability to communicate with a network.

24. Number of Claims : 13

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

© Gujarat Technological University. All Rights Reserved.