



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



**Date of Submission : 07/10/2016**

Dear **Pethani Akshay Dilipbhai**,

**Studied Patent Number for generation of PSAR** : **16BE7\_130030116040\_4**

**PART 1: PATENT SEARCH DATABASE USED**

<b>1. Patent Search Database used</b>	:	Google Patents
<b>Web link of database</b>	:	<a href="https://patents.google.com/">https://patents.google.com/</a>
<b>2. Keywords Used for Search</b>	:	Connection,Databases,simultaneous
<b>3. Search String Used</b>	:	Multiple simultaneous connection handling in database
<b>4. Number of Results/Hits getting</b>	:	9999

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

<b>5. Category/ Field of Invention</b>	:	Computer/IT Engineering
<b>6. Invention is Related to/Class of Invention</b>	:	Database server connections
<b>6 (a) : IPC class of the studied patent</b>	:	H04L67/14
<b>7. Title of Invention</b>	:	Method and system for reducing connections to a database
<b>8. Patent No.</b>	:	US20070136311A1
<b>9. Application Number</b>	:	US11605066
<b>9 (a) : Web link of the studied patent</b>	:	<a href="https://patents.google.com/patent/US20070136311A1">https://patents.google.com/patent/US20070136311A1</a>
<b>10. Date of Filing/Application (DD/MM/YYYY)</b>	:	28/11/2006
<b>11. Priority Date (DD/MM/YYYY)</b>	:	29/11/2005
<b>12. Publication/Journal Number</b>	:	
<b>13. Publication Date (DD/MM/YYYY)</b>	:	14/06/2007
<b>14. First Filled Country : Albania</b>	:	United States

**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	Christopher Kasten	USA
2	Igor Chernyshev	USA

**17. Applicant/Assignee Details.**

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	Greg Seitz	USA
2	EBAY INC	CALIFORNIA

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

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

Database server crashed when number of users increased and scalability of the database server is the problem.

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

The present disclosure relates generally to network data retrieval systems, and specifically to reducing connections to a database.

**21. Brief about Invention**

A system automatically maintains a plurality of client connections associated with a plurality of clients, the plurality of client connections including active and idle connections. A first server receives a request from a client of the plurality of clients to access a second server of a plurality of second servers communicatively coupled to the first server, the plurality of second servers having varying communication protocols. The first server then identifies a first communication protocol associated with the second server and activating a link between the first server and the second server using the first communication protocol.

**22. Key learning Points**

Programing techniques for reducing the database connections.

**23. Summary of Invention**

A system automatically maintains a plurality of client connections associated with a plurality of clients, the plurality of client connections including active and idle connections. A first server receives a request from a client of the plurality of clients to access a second server of a plurality of second servers communicatively coupled to the first server, the plurality of second servers having varying communication protocols. The first server then identifies a first communication protocol associated with the second server and activating a link between the first server and the second server using the first communication protocol.

**24. Number of Claims** : 38

**25. Patent Status** : Published Application

**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)**

I will try to implement the strategy suggested by the inventor to include in my project programming.