Patents, Entrepreneurship, & Innovation: A Case Study

Robert J. Glushko

School of Information University of California, Berkeley glushko@ischool.berkeley.edu

Idealized Timeline

Inventor invents

Inventor receives patents

Patents help create market/market barriers

Entrepreneur's company succeeds

Actual Timeline

- Inventor invents
- Inventor files patents
- Inventor/Entrepreneur's company succeeds
- Patents issued
- Inventor/Entrepreneur's company fails
- Patents nearly fall into hands of patent trolls

Actual Timeline [1]

- 2Q 1997: Start-up Veo Systems begins invention and development of technology to enable "open" and "interoperable" electronic commerce
- 1Q1998: Successful technology demonstrations begin; outside investments secured
- 4Q1998: Patent applications filed, but viewed as nuisance activity and "tax" on engineering resources
- 1Q1999: Veo Systems acquired by Commerce One

Actual Timeline [2]

- 1 July 1999: Commerce One IPO
- 1Q2000: Commerce One market cap exceeds \$10,000,000,000
- 2000 and 2001: Commerce One contributes the ideas and specifications in its patented technology to various standards efforts to encourage the adoption of open ecommerce infrastructure
- 26 September 2000: Veo Systems patents issue two years after they were filed

United States Patent [19]

Meltzer et al.

[54] MARKET MAKERS USING DOCUMENTS FOR COMMERCE IN TRADING PARTNER NETWORKS

[75] Inventors: Bart Alan Meltzer, Aptos; Terry
Allen, Sebastopol; Matthew Daniel
Fuchs, Los Gatos; Robert John
Glushko, San Francisco, all of Calif.;
Murray Maloney, Pickering, Canada

[73] Assignee: Commerce One, Inc., Mountain View, Calif. [11] Patent Number: 6,125,391

[45] Date of Patent: *Sep. 26, 2000

[57] ABSTRACT

A market making node in a network routes machine readable documents to connect businesses with customers, suppliers and trading partners. The self defining electronic documents, such as XML based documents, can be easily understood amongst the partners. Definitions of these electronic business documents, called business interface definitions, are posted on the Internet, or otherwise communicated to members of the network. The business interface definitions tell potential trading partners the services the company offers and the documents to use when communicating with such services. Thus, a typical business interface definition allows a customer to place an order by submitting a purchase order or a supplier checks availability by downloading an inventory status report. Also, the registration at a market maker node of a specification of the input and output documents, coupled with interpretation information in a common busi-

Actual Timeline [3]

 4Q2004: Commerce One files for bankruptcy

 6 December 2004: Patents auctioned off in bankruptcy; known patent trolls outbid by "mystery bidder" JGR Enterprises

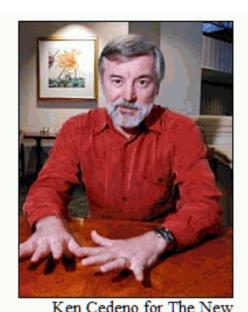
Auction of Internet Commerce Patents Draws Concern

By JOHN MARKOFF

Published: November 16, 2004

AN FRANCISCO, Nov. 15 - More than three dozen patents said to cover key facets of Internet transactions will soon be auctioned off by Commerce One, a bankrupt software company. But even before the sale, some technology executives and lawyers are worried that potential buyers might wield the patents in infringement lawsuits against companies that are engaged in online commerce, like <u>I.B.M.</u> and <u>Microsoft</u>.

The 39 patents cover basic activities like using standardized electronic documents to automate the sale of goods and services over the Internet.



York Times
Robert Glushko, one of
the inventors, said he
feared that some patent
winners might use them
to impede competition in
online commerce.

Secretive Buyer of Some E-Commerce Patents Turns Out to Be Novell

By JOHN MARKOFF

S AN FRANCISCO, May 1 - A Silicon Valley mystery has been solved.

The mystery involves a set of electronic commerce patents purchased, after heated bidding, in a dot-com bankruptcy auction by a Texas lawyer last December. They were acquired, it turns out, on behalf of the <u>Novell</u> Corporation, the giant software and computer services company, a company official acknowledged on Friday.

Many executives in the computer industry and at Internet software and services firms had expressed concern that the patents could be used to extract payments from their companies.

Actual Timeline [4]

- 2 May 2005: "Mystery buyer" of patents revealed to be front company for Novell
- 10 November 2005: Novell contributes patents to Open Invention Network, patent "commons" created to promote and protect open source innovation
- 2007: Many of the ideas in the patents are now embodied in "Universal Business Language," royalty-free OASIS standard for electronic commerce
- 2007-2008: Governments throughout the world mandating UBL as foundation for electronic business

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Press Releases

OPEN INVENTION NETWORK FORMED TO PROMOTE LINUX AND SPUR INNOVATION
GLOBALLY THROUGH ACCESS TO KEY PATENTS

Investors Include IBM, Novell, Philips, Red Hat, and Sony

New York (November 10, 2005) - Open Invention Network (OIN), a company that has and will acquire patents and offer them royalty-free to promote Linux and spur innovation globally, was launched today with financial support from IBM, Novell, Philips, Red Hat, and Sony. The company, believed to be the first of its kind, is creating a new model where patents are openly shared in a collaborative environment and used to facilitate the advancement of applications for, and components of, the Linux operating system.

Reflections

- The patent system did not seem important to us when we were inventing and deploying innovative technology
- We actively "gave away" the key ideas embodied in the patents
- The patents seemed important to us when they were treated as assets in a bankruptcy, and in the wrong hands they would have undermined the goals for which we invented in the first place
- Fortunately, the patents are now doing their job to promote innovation