

THE PEER TO PATENT PROJECT:

COMMUNITY PEER REVIEW OF PATENTS

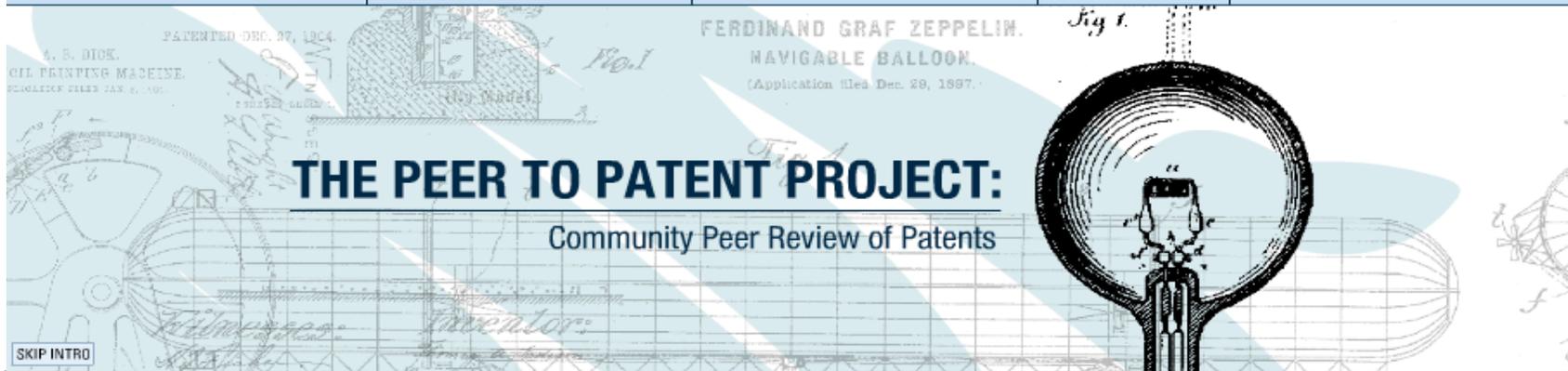
About Community Patent

Workshops & Events

Prototypes & Proposals

People

Community Patent Blog



“Peer to Patent”: Participation Driving Innovation

Prof. Beth Simone Noveck

Institute for Information Law & Policy

New York Law School

<http://dotank.nyls.edu/communitypatent>

Information Deficit

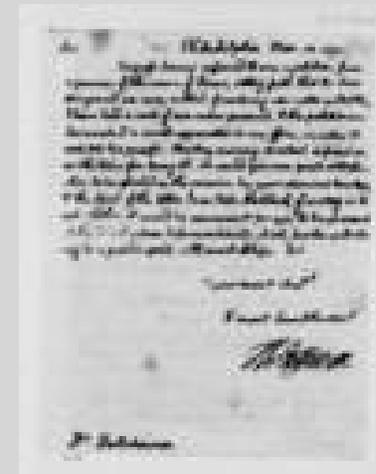
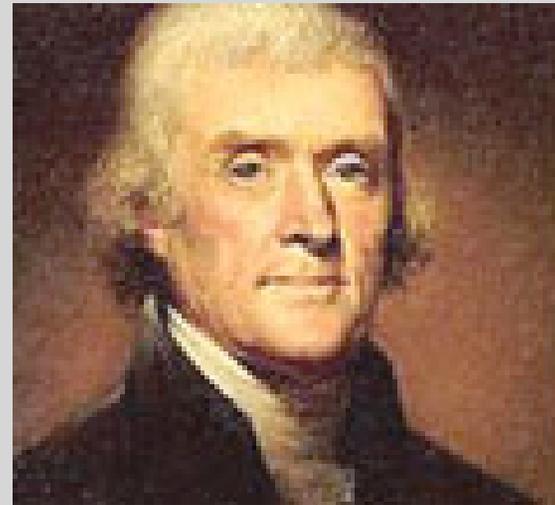
Philadelphia, Mar. 12, 1791.

Sir,

Congress having referred to me a petition from a person of the name of Isaacs, setting forth that he has discovered an easy method of rendering sea-water potable, I have had a cask of sea-water procured, & the petitioners have created a small apparatus in my office, in order to exhibit his process. Monday morning 10 a'clock is fixed on as the time for doing it. it would give me great satisfaction to be assisted on the occasion by your chemical knowledge, & the object of the letter I have taken the liberty of writing is to ask whether it would be convenient for you to be present at the time & place before mentioned, which, besides contributing to a public good, will much oblige,

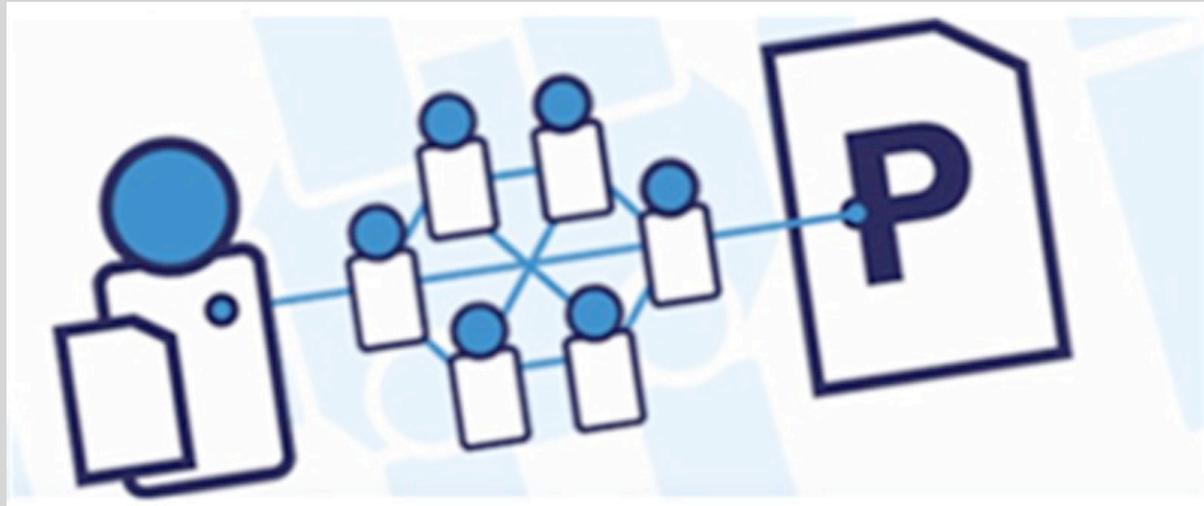
Sir,

Your most obedt
& most humble servt



Agenda

- Information Deficit
- Experts not Professionals
- How Will it Work
- Metrics and Evaluation
- Connecting Legislative to Institutional Reform



Peer to Patent Open
Review Pilot

USPTO Strategic Plan
UK Gowers Report

Connecting the Scientific Community to the Patent Examination Process

- **Goal:** improve the quality of issued patents by giving the patent examiner access to better information by means of an open network (not a wiki, not a blog) for community participation
- First **social software** to impact legal and political process
- Designed to **channel the right information**
 - manageable for examiner
 - relevant for community
- **Final decision made by agency** on the basis of statutory standards

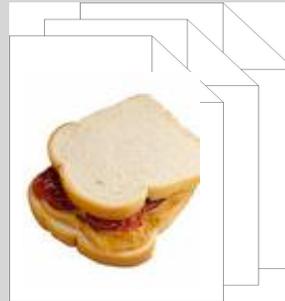
Pilot: Data Driven Reform

- Summer 2007
- Technology Center 2100 - computer and software inventions
- 250 applications with participant consent
- CA, General Electric, HP, IBM, Intel, Intellectual Ventures, International Characters, Microsoft, Oracle, Out of the Box, Red Hat, Yahoo! - 6%+ of all patents
- Funded by MacArthur Foundation, Omidyar Network and consortium of technology leaders
- UK and European Patent Office pilots
- New York Law School's "Do Tank" with USPTO



Project Development

- United States Patent and Trademark Office
- New York Law School Academic Advisors and Project Team
- Steering Committee
- Advisory Board
- Consultative Workshops
 - Harvard
 - Yale
 - Michigan
 - Stanford
 - IPPR



Crisis of Patent Quality

Must Have Better Information

Information Deficit Will Impede All Efforts at Reform

- Patent examiners
 - labor under 1,000,000 application backlog; 400,000 new applications
 - have fewer than 18-20 hours for application review
 - lack time for training in new and advanced scientific subjects
 - must contend with poorly drafted applications and often uncooperative applicants
- Culture of Secrecy
- Limited database of patent resources
- Person Having Ordinary Skill in the Art (“PHOSITA”)
- 90% grant rate
- Finding what’s not there

Congress may not “enlarge the patent monopoly without regard to the innovation, advancement or social benefit gained thereby.”

-- Supremes (Graham v. John Deere 1966)

Why Now?

- Citizen consultation practiced by all agencies; peer review in widespread use in government (e.g. NIH, EPA, NSF)
- Most US patents applications are published after 18 months
- Social reputation and collaborative filtering software make it manageable and scaleable
- Political and technological moment is ripe
- Patent quality/patent litigation crisis

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article discussion edit this page history

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Robert Gates

From Wikipedia, the free encyclopedia

Robert Michael Gates, Ph.D. (born September 25, 1943) is the president of Texas A&M University and a former Director of Central Intelligence. He is currently President George W. Bush's nominee to be the next United States Secretary of Defense, pending confirmation by the United States Senate. Gates served for 26 years in the Central Intelligence Agency and the National Security Council. Under President George H. W. Bush, he served as Director of Central Intelligence. After leaving the CIA, he wrote his memoirs,^[1] became president of Texas A&M University, and was a member of several corporate boards. Gates served as a member of the bipartisan commission headed by James A. Baker III, the Iraq Study Group, that has studied the Iraq campaign. He was also the first pick to head the Department of Homeland Security when it was created following the September 11, 2001 attacks.^[2]

On November 8, 2006, after the 2006 midterm election result, President George W. Bush announced his intent to nominate Gates to succeed the resigning Donald Rumsfeld as U.S. Secretary of Defense.^{[3][4]} Gates has stated in a letter to students that he will continue as President of Texas A&M until completion of the confirmation process.^[5] Gates will now face confirmation first in the Senate Armed Services Committee, and if approved, by a majority vote in the Senate.

Robert Michael Gates	
Born	September 25, 1943 (age 63) Wichita, Kansas, USA
Profession	President of Texas A&M University

Contents [hide]

- 1 Biography
 - 1.1 Childhood and education
 - 1.2 Intelligence career
 - 1.2.1 Positions
 - 1.2.2 Director of Central Intelligence

in other languages
Done

2.27 Twisted Issues

This is supposed to be an underground punk film from 1988, but it miserably fails the Google test^[22], suggesting that its fame is doubtful. JFW | T@k 15:53, 18 Nov 2004 (UTC)

- Delete please JFW | T@k 15:53, 18 Nov 2004 (UTC)
- Delete. Non-notable. 力伴 | Q 18:29, 18 Nov 2004 (UTC)
- Tentative weak Keep.** If it's this "1989 Charles Pinion film Twisted Issues -- a 'psycho-punk splatter-comedy' which *Film Threat* Video Guide named to its list of Twenty Underground Films You Must See!" - its notability is at worst debatable. Samantian 19:45, 18 Nov 2004 (UTC)
- Clean Up. It needs a lot of work, but it's possible. (N.b. we're going to be in rough shape if we try to replicate the Psychotronic book or Film Threat.) Geogre 20:43, 18 Nov 2004 (UTC)
- Keep, real movie -- http://www.imdb.com/title/tt0249209/combined -- but cleanup. RickK 21:29, Nov 18, 2004 (UTC)
- Keep and cleanup. DCEdwards1966 03:49, Nov 20, 2004 (UTC)
- Keep it. RaD Man (talk) 19:31, 20 Nov 2004 (UTC)

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article discussion edit this page history

Wikipedia member Jimmy Wales's personal appeal for decisions is still ongoing.

Tax deductibility of donations - Disputes - Final early report - Wikipedia:exchanges

Talk:Osmosis

From Wikipedia, the free encyclopedia

Explanation

This article is in need of attention from an expert on the subject. Please help recruit one, or improve this page yourself if you can.

I quote:

Solutes, such as proteins or simple ions, dissolve in a solvent such as water. This raises the concentration of the solute in these areas. The solvent then diffuses to these areas of higher solute concentration to equalize the concentration of the solute throughout the solution. To me, this does not seem like a satisfactory explanation. The solvent is not sentient and it doesn't diffuse to do anything. Why then does osmosis occur? Is this something to do with entropy in a closed system, which is meant to always decrease? (Um, I think. Can anybody answer that too?) (Date: 16:47, Feb 20, 2006 (UTC))

A simpler explanation I found in a revision guide for my GCSE exams explained the process as such, the molecules of the solvent pass both ways through the semi-permeable membrane, however because of the higher concentration of the solvent on one side of the membrane more particles is applied on the side and more of the solvent passes through until an equilibrium is apired where both sides are of an equal pressure.

R3nD: That's the same problem I've always had with the explanations I've seen of the phenomenon. I just re-wrote the section to avoid the anthropomorphism. Have a look. —Dart (talk) 07:48, Apr 23, 2005 (UTC)

Looking back at my explanation, there's one thing I don't think I can explain well. Can someone take a crack at explaining the following two misconceptions?

Beccese: Suppose you have your membrane and salt water on the right and fresh on the left. The chance of a water molecule from the left side finding a hole in the membrane is clearly greater than the chance of one on the right finding a hole since the density of water molecules on the left is greater. But aren't those big salt molecules on the right going to prevent some of the fresh water from getting through? That is, aren't the salt molecules going to prevent just as much flow from left to right as right to left?

Beccese: What's the fundamental difference between having dissolved salt molecules on one side of a membrane and having naturally-occurring plastic beads? If you had plastic beads in suspension and made the beads smaller, when would you start getting osmotic pressure?

Slashdot

News for Nerds. Stuff that matters.

Apple: French Parliament Fights iPod and iTunes
Posted by Zank on Friday March 17, @10:28AM

from the to-the-point dept.

EFF's [Orin Kerr](#) writes "According to an article in *New York Times*, the French parliament is considering legislation which would require that the iPod also be able to [use music from services other than the iTunes Store](#)." From the article: "The outcome of the debate, which began as an update to French copyright law, is far from clear. But taken to one logical conclusion, amendments to the copyright bill could lead Apple, the market leader, to leave the French music business," said Jonathan Arber, a research analyst in London at the technology consultancy Ovum. "My gut feeling is that Apple will simply pull out of France if these amendments get through," Mr. Arber said. "Weighed against breaking their business model for all markets, it doesn't make sense for Apple to continue operating with the iPod and iTunes in France." Update: 03:17 15:46 GMT by Z. A previous story covering this topic may also be of interest to you. Sorry, folks.

(Read More... | 46 of 63 comments | apple.slashdot.org)

Your Rights Online: Australian PM Has Parody Site Shut Down
Posted by Zank on Friday March 17, @09:52AM

from the who-knows-how-to-use-the-internet dept.

Recommended Reading List for PIP:
 • [Microsoft to Publish Blue Box Features](#)
 • [Coface is Test Advance](#)
 • [No Nonzero XML Web Development with PIP](#)
 • [Nvidia CES 4.0 released](#)
 • [Tim Youssef: People Don't Know SQL](#)
 • [Build Your Own Java Performance Profiling Tool](#)
 • [SCO Offers Up The SCAMP Stack](#)
 • [PHP 4 and What to Expect](#)
 • [Oracle SQL Developer Released](#)

Slashdot Login

Gre, that could be expensive... (Score:2, Funny)
by [ser \(33032\)](#), [G@r@nd \(com. I am in a gap\)](#) on Friday March 17, @ 10:31AM (#14941782)

Last Journal: [Saturday November 05, #906266M](#)

pulling out of the French market could cost Apple two, maybe two and a half percent of their ITMS revenues.

Re: [Gre, that could be expensive...](#), by [Tim C](#) (Score:2) Friday March 17, @ 10:37AM

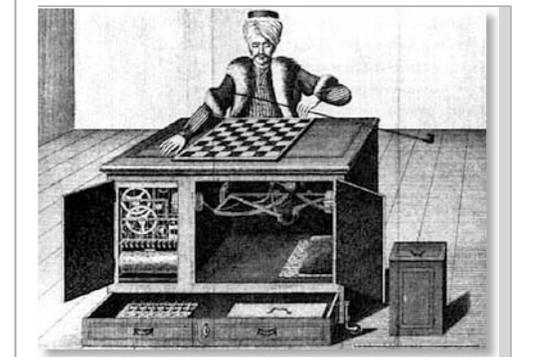
- Re: [Gre, that could be expensive...](#), by [mwdlee](#) (Score:2) Friday March 17, @ 10:41AM
- Re: [Gre, that could be expensive...](#), by [99BottlesOfBeerInMyF](#) (Score:2) Friday March 17, @ 10:50AM
 - Re: [Gre, that could be expensive...](#), by [balduas_newbie](#) (Score:1) Friday March 17, @ 10:56AM
- Re: [Gre, that could be expensive...](#), by [Alex P. Keaton in da](#) (Score:3) Friday March 17, @ 10:54AM
 - Re: [Gre, that could be expensive...](#), by [Braino420](#) (Score:1) Friday March 17, @ 11:05AM
 - I reply beneath your current threshold.
- Re: [Gre, that could be expensive...](#), by [91degrees](#) (Score:1) Friday March 17, @ 10:54AM
- Re: [Gre, that could be expensive...](#), by [Ibrandy](#) (Score:2) Friday March 17, @ 10:58AM
 - I reply beneath your current threshold.

Let's just get this out of the way... (Score:2, Funny)
by [TCQuad \(537187\)](#) on Friday March 17, @ 10:32AM (#14941789)

That was quick, [slashdot.org]

Re: [Let's just get this out of the way...](#), by [bigmouth_strikes](#) (Score:2) Friday March 17, @ 10:44AM

- Re: [Let's just get this out of the way...](#), by [sh00z](#) (Score:1) Friday March 17, @ 10:44AM



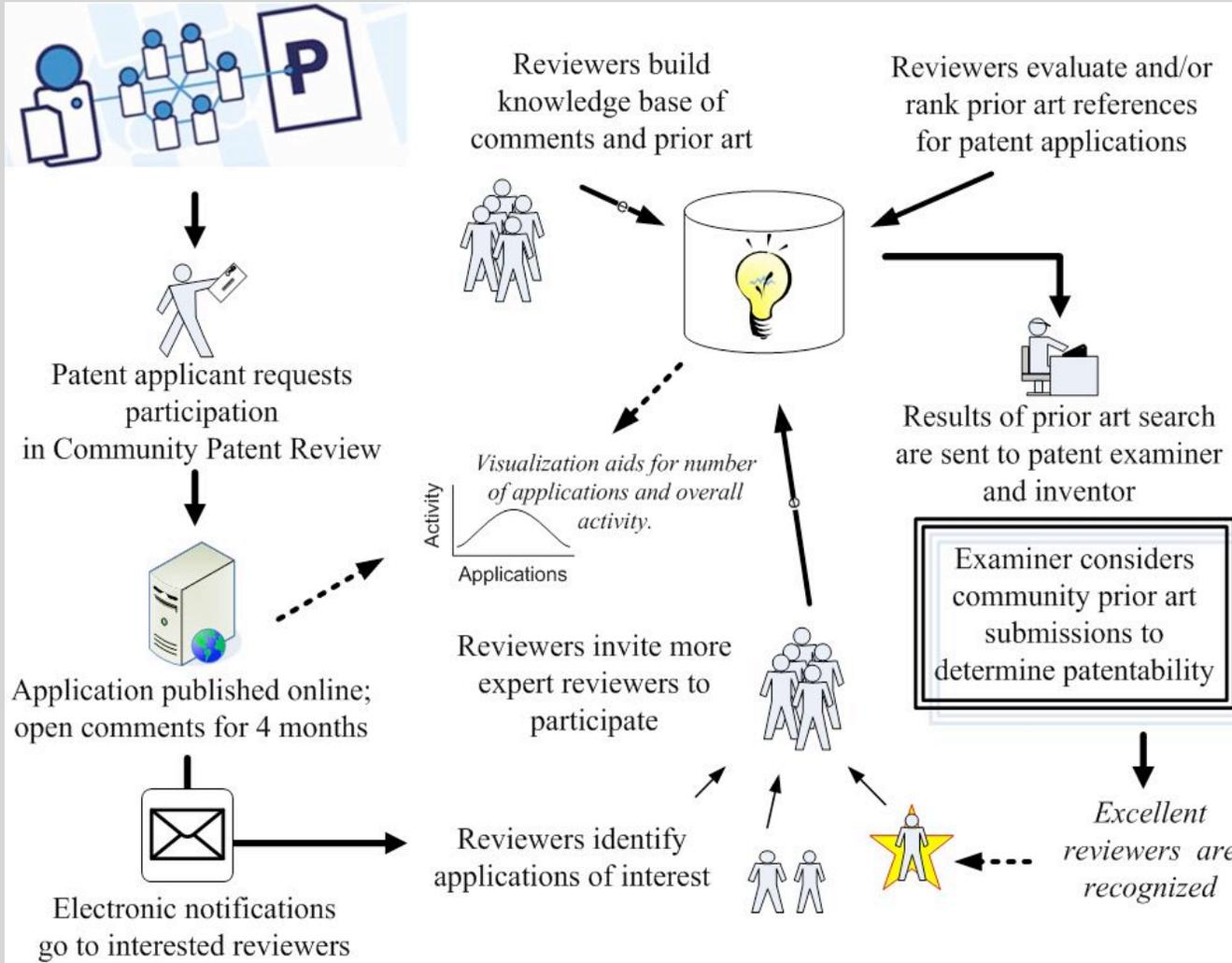
Wisdom of the Crowd: Ordinary People are Experts

Experts not Professionals



Enabling Citizen Participation in the Digital Age

- Tap into collective intelligence
- Group not individual expertise
- Facilitate incremental contributions
- Rating, reputation, feedback encourages successful participation
- Emphasize participation in the community not only in outside institutions



How Will It Work

Citizen Participation Process

PEER TO PATENT
in cooperation with USPTO

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Community Review of Patent Applications in cooperation with the United States Patent and Trademark Office



Why Community Participation is Important Jon Dudas - Under Secretary of Commerce



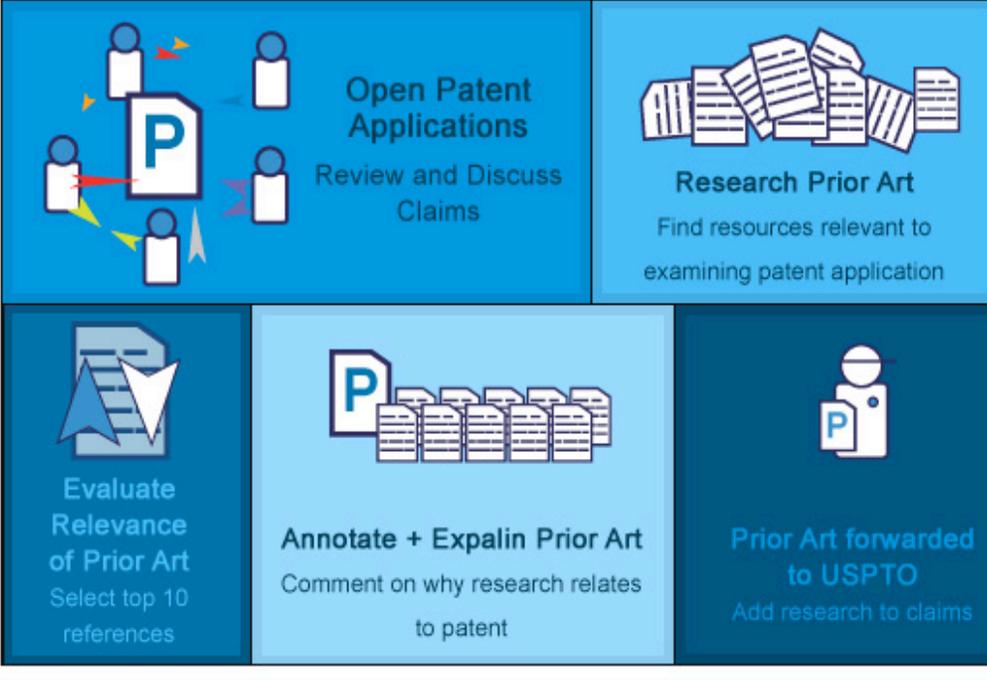
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PEER TO PATENT PROCESS MAP



Open Patent Applications
Review and Discuss Claims

Research Prior Art
Find resources relevant to examining patent application

Evaluate Relevance of Prior Art
Select top 10 references

Annotate + Explain Prior Art
Comment on why research relates to patent

Prior Art forwarded to USPTO
Add research to claims

PEER TO PATENT

Evaluate Relevance of Prior Art
Select top 10 references

Describe
helmet to protection as foam therefrom

Abstract
felis eu eu turpis, eu suscipit nunc neque sit amet nunc. Proin sed orci. morbi gravida laoreet lorem. Praesent ut sapien. Nunc a nunc. Aliquam viverra odio sed velit. Nulla facilisis justo a sapien. Morbi at lectus non massa lacinia lobortis.

[View all applications](#)

Peer to Patent Home Page

Variable speed audio playback in speech recognition proofreader

Appl. No.: 145782 Invention date: September 2, 1998
 Inventors: Hanson; Gary Robert (Palm Beach Gardens, FL)
 Assignee: International Business Machines Corp. (Armonk, NY)
 Clas: [704/500](#); [704/270](#)

40 days left

Patent Sections

Overview

Abstract

Description

Claims

Illustrations

References & Citations

 **Discussion (121)**

 **Research (45)**

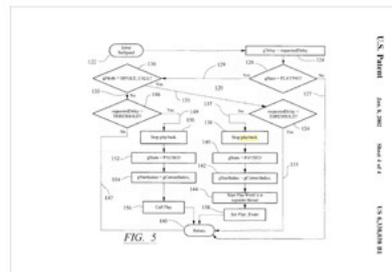
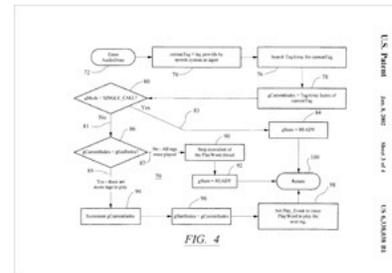
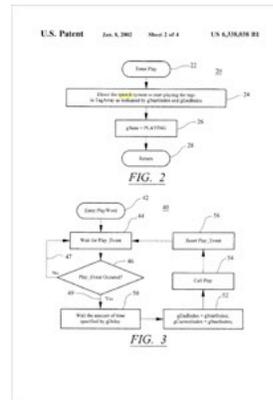
 **Prior Art (32)**

Prior Art

SUBMIT PRIOR ART

[Prior Art Tutorial](#)

Illustrations



Review the Application

The screenshot displays the Peer to Patent website interface. At the top, the logo 'PEER TO PATENT' is visible, along with navigation links for 'MY PROFILE' and 'ABOUT CPR'. The main content area is titled 'COMMUNITY PATENT REVIEW' and features a search bar and a breadcrumb trail: 'Home > View Patent Application > Overview'. The patent application details include 'Appl. No.: 145782', 'Invention date: September 2, 1998', and 'Inventors: Hanson; Gary Robert (Palm Beach Gardens, FL)'. A 'Moderator's update' section is present, and a 'Patent Sections' overview is shown. A large grey arrow points from the 'Open Application' button to the 'Community (208)' section. The community list includes categories such as 'Academic Technologist' (56), 'Foundation/NGO' (45), 'Government' (40), 'Grad/Undergrad. Student' (22), 'Journalist' (18), 'Lawyer/Legal Professional' (12), 'Legal Academic/Professor' (08), and 'Law Student' (07). A 'Join this Community' button and an 'Invite a Reviewer' button are also visible.

Building an Innovation Community

moderation and community engagement

Variable speed audio playback in speech recognition proofreader

40 days left

Appl. No.: 145782 Invention date: September 2, 1998
Inventors: Hanson; Gary Robert (Palm Beach Gardens, FL)
Assignee: International Business Machines Corp. (Armonk, NY)
Clas: [704/500](#); [704/270](#)

Patent Sections

Overview
Abstract
Description



General Discussion (64)

Joe Sams (10 hours ago)

Quisque vitae odio ac ipsum ornare tincidunt. Cras in orci. Nullam
per id, mi. Nunc sodales sapien eu ante. Quisque vel lacus. Nunc

Peter Smith (10 hours ago)

Quisque vitae odio ac ipsum ornare tincidunt. Cras in orci. Nullam
per id, mi. Nunc sodales sapien eu ante. Quisque vel lacus. Nunc

Carl Johnson (10 hours ago)

Praesent ligula felis, suscipit quis, tempus et, tristique quis, dolor. Morbi et
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Carl Johnson (10 hours ago)

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Donec arcu lacus, pulvinar porttitor, tincidunt non, rhoncus eget, est. Vestibulu aliquam.

[\(reply to this\)](#)

David Sedaris (10 hours ago)

Morbi eu nibh. Donec libero odio, feugiat et, suscipit in, egestas vel, pede. Phasellus sagittis nisi nec odio. Cras vel
enim eu risus fermentum dignissim.

[\(reply to this\)](#)

Comment on this Application

[Post a new comment](#)

POST COMMENTS

Comments can be
flagged, sorted and
filtered for spam
and abuse but also
for importance

Discussing the Application's Claims

Concentrating on Claims

- The software is designed to focus community attention on the patent's claims
- Design, directions and tutorials teach the goal
- Find prior art and assess relevance to the claims
- Work together to do the hard work of finding information

Variable speed audio playback in speech recognition proofreader

40 days left

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Discussion (121)

Research (45)

Prior Art (32)

Prior Art

[SUBMIT PRIOR ART](#)

[Prior Art Tutorial](#)



Instructional text amet, consectetur adipiscing elit. Aliquam a mauris ut nisi condimentum luctus. Phasellus pretium dolor a urna. Suspendisse vel libero eleifend quam viverra porttitor. Quisque ante.
[Click here for more information on how to submit Prior Art.](#)

WARNING! In order to prevent duplicates, please check all submitted prior art before uploading your prior art.

CLAIMS:

[0-10](#) | [11-20](#) | [21-25](#) | [Most Viewed](#) | [Most Discussed](#) | [Top Favorites](#) | [Most Linked](#)

1 A method for inserting a delay between the playback of individual speech recognized words or phrases responsive to a user playback command, said method comprising the steps of:

- (A) receiving a play event for initiating playback of only one of said individual speech recognized words or phrases;
- (B) responsive to receiving said play event, pausing for a delay period;
- (C) when said delay period has lapsed, initiating playback of only one of said individual speech recognized words or phrases;
- (D) waiting for a subsequent play event; and,
- (E) upon receiving said subsequent play event, repeating said steps (B), (C), and (D) for playing subsequent ones of said individual speech recognized words or phrases, one at a time.

[View Claims Details](#) | [View Prior Art](#) | [Submit Prior Art](#)

3 The method of claim 1, further comprising the steps of:

- (F) tracking said playback of said individual words and phrases according to an ordered index;
- (G) issuing a notification each time a playback of one of said individual words or phrases is completed;
- (H) automatically repeating said steps (B), (C) and (D) for playing subsequent ones of said individual words or phrases responsive to each said notification; and,
- (I) continuing said playing back until all unplayed ones of said individual word or phrases in said ordered index are played back.

[View Claims Details](#) | [View Prior Art](#) | [Submit Prior Art](#)

4 The method of claim 3, further comprising the step of: (J) varying said delay responsive to a user playback command.

[View Claims Details](#) | [View Prior Art](#) | [Submit Prior Art](#)

[View Claims Details](#) | [View Prior Art](#) | [Submit Prior Art](#)

10 The method of claim 1, further comprising the step of: (F) varying said delay responsive to a user playback command.

[View Claims Details](#) | [View Prior Art](#) | [Submit Prior Art](#)

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Variable speed audio playback in speech recognition proofreader

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Research

Post Prior Art Research

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 **Discussion (121)**

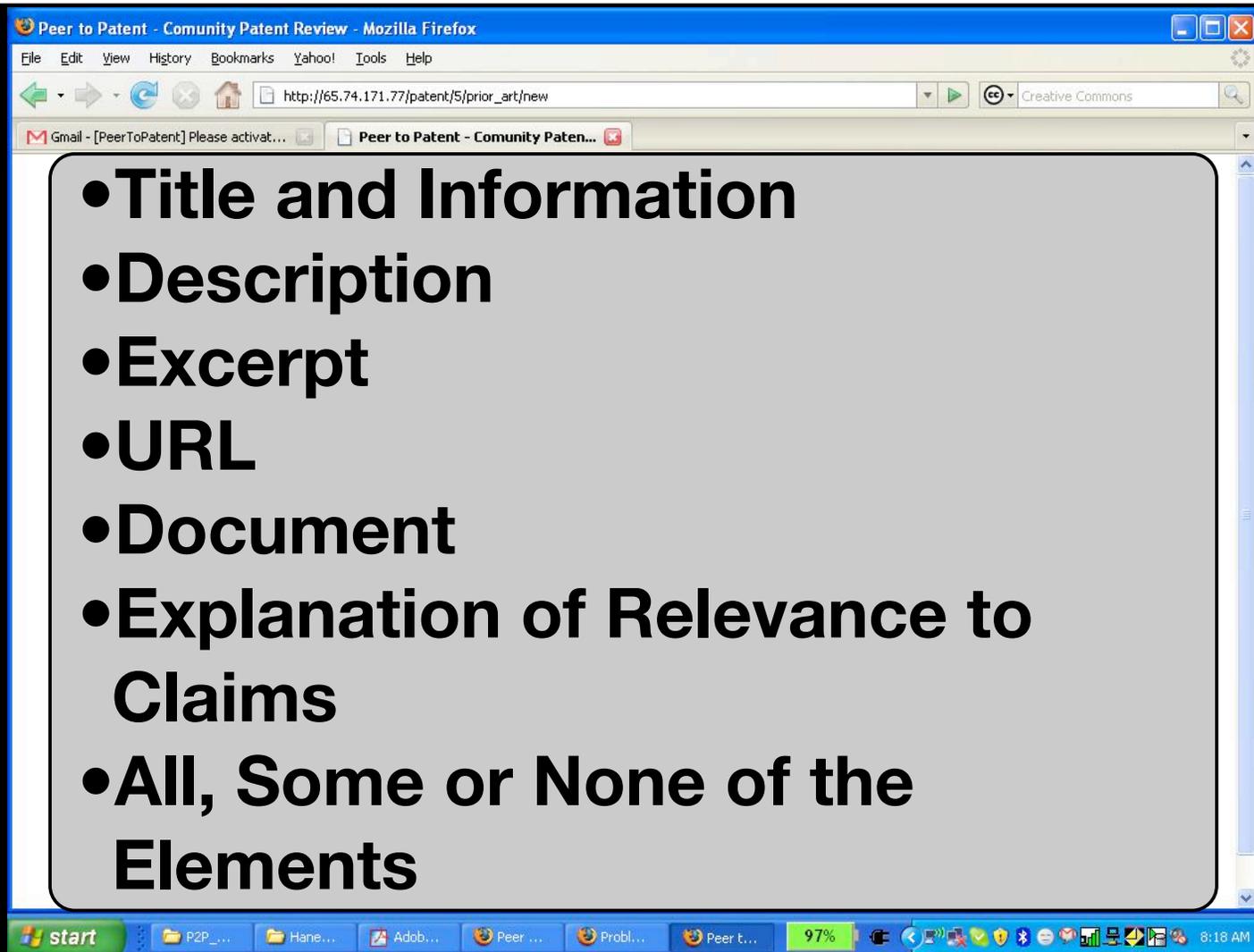
 **Research (45)**

 **Prior Art (32)**

Prior Art

[Prior Art Tutorial](#)

Researching Prior Art Collectively



Uploading Prior Art

Annotating and Evaluating

- Community assesses whether the prior art is relevant enough to be forwarded to Examiner
- Community assesses whether prior art “teaches” all, some or none of the elements
- Community provides objective verification
- Community collaborates to create Top 10 list

**Prior Art**

Prior Art Rated #1 by **JOHN DOE** 02/03/2006 << PREVIOUS | NEXT >>

 30 thumbs up  2 thumbs down

Document Link:
[6338038_Patent_Samples.doc](#)

Web Link:
<http://www.uspto.gov/mai...>

Claims
[1, 3, 5, 9, 10, 11, 12](#)

Syntactic continuous speech recognizer

The accuracy of segmenting an utterance into words is improved by the use of sequence-defining signals. An utterance is recognized as one of a plurality of reference word sequences in an arrangement wherein a set of signals is generated to define the syntax, i.e., word arrangements, of the sequences. Each sequence corresponds to a selected series of reference words. A signal is generated to identify the successive word positions of the sequences. Responsive to the sequence defining signals, the utterance, and the reference words, a set of signals is produced, each representing the correspondence between said utterance and one of the sequences. The sequence having the closest correspondence to the utterance is selected.

Description of Prior Art
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec nunc ac nunc vulputate pellentesque. Integer viverra turpis eget ipsum. Cras quis ante eget nibh suscipit laoreet. Praesent mattis, leo eget vestibulum aliquam, quam felis porta sapien, sed nonummy arcu sem ac felis.

Comments (4) [Post a new comment](#)

Joe Sams (10 hours ago)
Quisque vitae odio ac ipsum ornare tincidunt. Cras in orci. Nullam ipsum arcu, facilisis vitae, eleifend ac, ullamcorper id, mi. Nunc sodales sapien eu ante. Quisque vel lacus. Nunc eros.

[\(reply to this\)](#)

Peter Smith (10 hours ago)

Metrics and Evaluation

- What is the level of expertise of public reviewers participating via an open network and how does this online participation process shape that expertise?
- What is the impact of public participation on examiner decision-making?
- What is the impact on the resulting quality of the issued patent?
- Data gathering, random selection, examiner control group



Patent Reform

Legislative
Judicial
Institutional

Legislative Reform Can Strengthen Public Participation and Improve Patent Quality

- **Measures to introduce better information and to “promote the progress of science and useful arts”**
- **Proposed Measures**
 - Universal publication
 - Enabling third-party commentary
 - Reducing willful infringement
- **Needed Reform**
 - Tie public grant funding to patent reforms
 - Enable examiner/public communication

Expertise and Democracy: Closing the Gap

- Does not shift burden to agency or inventor exclusively
- Opens up the flow of information to improve decisions, winnow bad claims, improve quality
- Makes patents more accountable to science
- Creates educational and job opportunities
- Reduces the risk of challenge during litigation
- Is potentially more expert and more participatory
- Create collaborative, open practices enabled by technology that facilitate citizen and expert participation that is useful

Tests legal and software framework to enable more open and informed decision-making