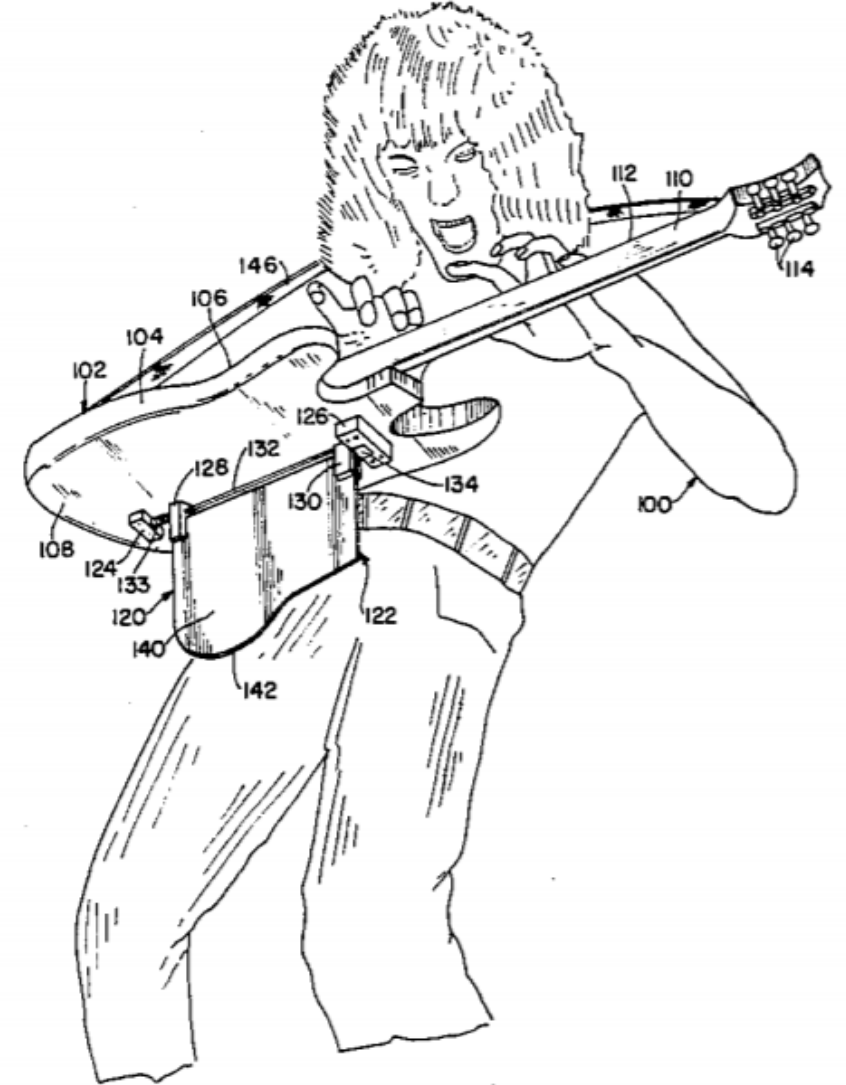
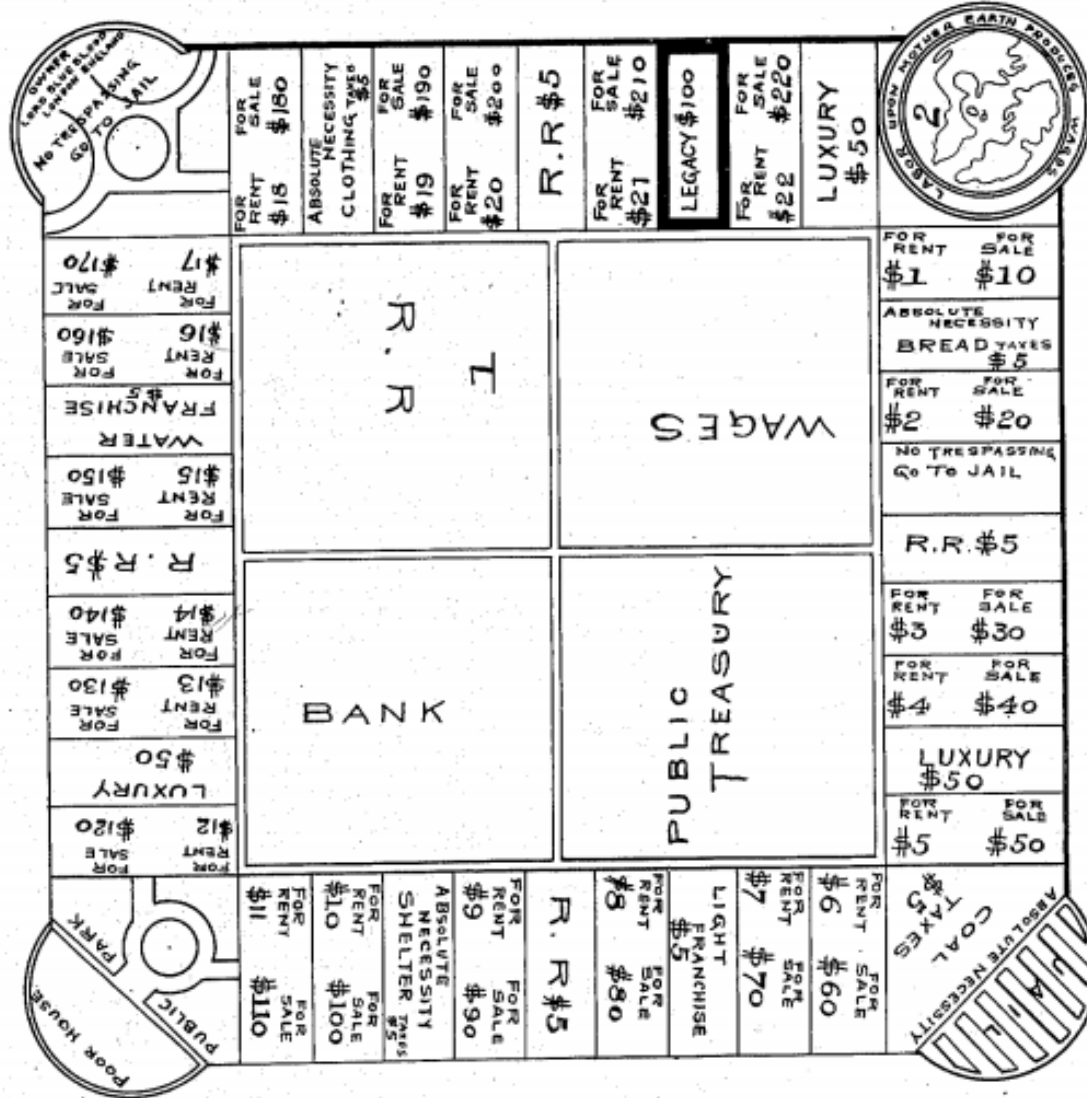


Supporting Innovation: Helping our Users with Patents

Lori Lysiak, Reference and Instruction Librarian
Eiche Library, Penn State Altoona

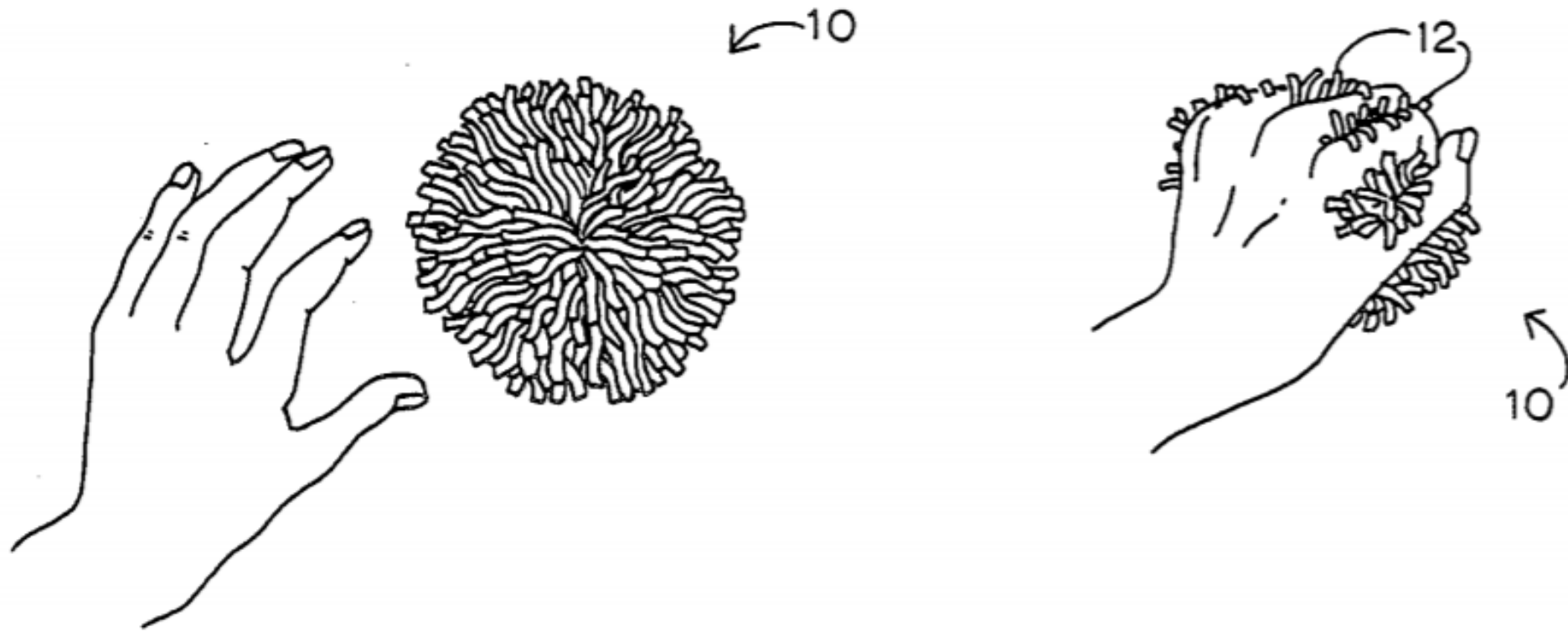
John Meier, Head of STEM for Engagement and
Outreach at University Park
Penn State University

Historic and Famous Patents



**WHAT U.S.
PATENT, NO. 4,756,529,
IS A GENERALLY
SPHERICAL OBJECT WITH
FLOPPY FILAMENTS TO
PROMOTE SURE CAPTURE?**

Generally spherical object with floppy
filaments to promote sure capture



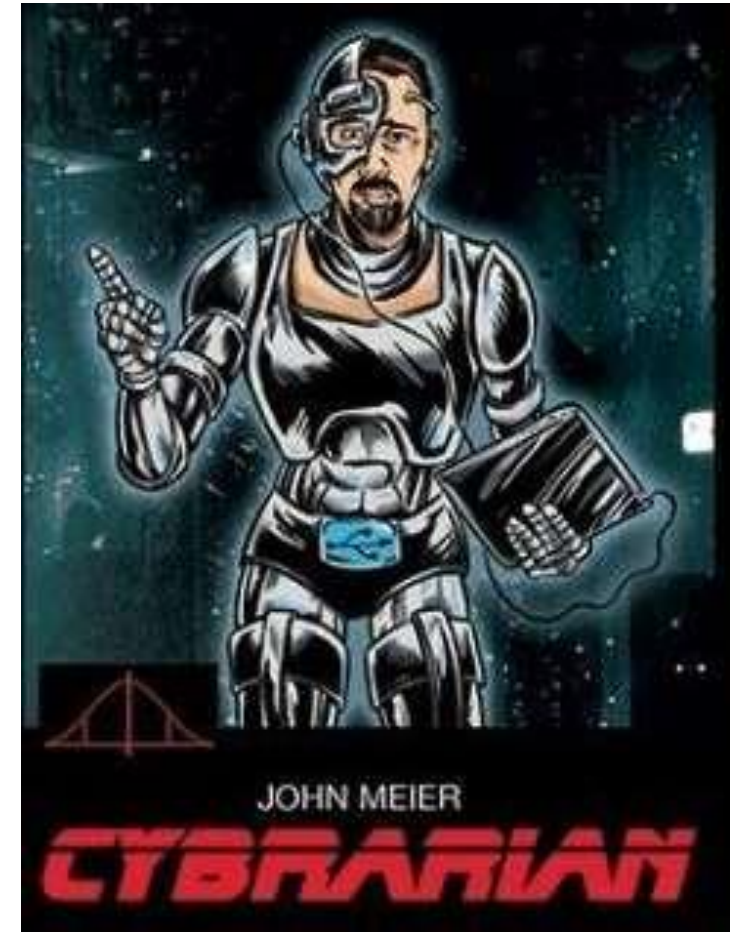
Key Takeaways

- Who you can go to for help
- How to become familiar with the basics
- What to create in your lesson plans



Who you can go to for help

- The Patent and Trademark Resource Center (PTRC) Program
- The Penn State Libguide
<https://guides.libraries.psu.edu/patents>
- Tutorials and guides
- Ebooks and other resources





As an official affiliate of the United States Patent and Trademark Office (USPTO), we provide assistance to the public in the use of patent and trademark information resources. Librarians and library staff are familiar with searching and can show you how to use online databases, books, and other information sources. With campus locations throughout the Commonwealth of Pennsylvania, the University Libraries offers this outreach service as part of Penn State University's land grant mission.

“PTRCs are neither required nor encouraged to conduct patent and trademark searches for their patrons as that activity may be interpreted as rendering a legal judgement or opinion. PTRCs are required to instruct patrons in the use of the search tools available at the PTRCs for patrons conducting their own patent and trademark searches.” *USPTO Guidelines for PTRCs*

Explore further with our PTRC partners



Penn State University Libraries is one of three Patent and Trademark Resource Centers (PTRC) in Pennsylvania along with the Carnegie Library of Pittsburgh and the Free Library of Philadelphia.



Patents

patent information for researcher and entrepreneurs, including free and PSU-only sources

Finding Patents

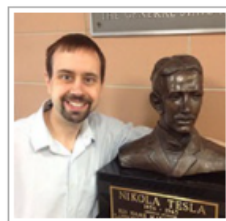
[Patent Offices](#)

[Patent Tutorials](#)

[Chemical Patents](#)

[Inventor Support in PA](#)

Head of STEM for Engagement and Outreach



John Meier

[Schedule An Appointment](#)

Email

meier@psu.edu

Contact:

408H Paterno Library
814-867-1448

Subjects:

Campus: University Park, Game
Studies, Mathematics, Statistics
(Mathematical)

Welcome

As a [Patent and Trademark Resource Center](#) (PTRC), the Pennsylvania State University Libraries has a mission to support both our students and the public with finding patent and trademark information along with locating application materials. This guide will help you get started in intellectual property (IP) research and find the best sources of information. There are even online tutorials that teach basic intellectual property searching skills. Contact the library for detailed questions or to set up an appointment for yourself or a guest speaking appearance for your class or group.

- [Trademarks](#)
Guide on locating and using trademarks

Finding patents

- [Google Patents](#)
Imported and scanned patents from the U.S. and several other countries. Only full text search for pre-1976 U.S. patents
- [USPTO Issued Patents](#)
official database of the U.S. Patent and Trademark Office with full text searching from 1976 to the present and limited searching back to 1790
[more...](#)
- [esp@cenet - European Patent Office Database](#)
international patent searching with varying years of coverage depending on the country
[more...](#)
- [Derwent Innovations Index](#)
(PSU users only) enhanced patent information for easier searching including citation tracking and simplified names
[more...](#)

The article [Patent Search for STEM Researchers](#) provides additional sources for patent information

- [PATENTSCOPE](#)
includes over 73 million patent documents: PCT and national/regional collections, AI-based developed-in translation tool, chemical structure search and CLIR that finds synonyms search terms and translates everything into 13 languages,
- [Global Corporate Patent Dataset](#)
a free, open access database of global corporate patent data, including patents from the US Patent and Trademark Office (USPTO), the European Patent Office (EPO), and the Japanese Patent Office (JPO).

Tutorials

Patents

patent information for researcher and entrepreneurs, including free and PSU-only sources

[Finding Patents](#)

[Patent Offices](#)

[Patent Tutorials](#)

Tutorials

- [Penn State Patent Search Tutorial](#)

Developed by Penn State Librarians, this tutorial will help you to understand the process and procedure in searching for patents.

- [USPTO Patent Certificate Course](#)

A one hour online training course that provides a certificate of completion (required for some Patent Pro Bono Programs)

- [Espacenet Tutorials](#)

An interactive tutorial on patent information and how to use the worldwide Espacenet database (some require Flash)

- [Patents and Patentability](#)

Short guide from the University of Minnesota on the basics of patents

- [Patent Searching](#)

A longer tutorial from the University of Minnesota on patent searching

- [USPTO Concept to Prosecution](#)

An introduction to patent application with the USPTO (requires Flash)

- [How to Conduct a Preliminary Patent Search](#)

created by the USPTO, this 40 minute online presentation gives a basic introduction to patent searching (requires Flash)

Penn State Altoona



Lori Lysiak

Contact:

Office hours by appointment.
814-949-5252
lal29@psu.edu

220 Robert E. Eiche Library
Penn State Altoona
3000 Ivyside Park
Altoona, PA 16601

Introduction to Intellectual Property

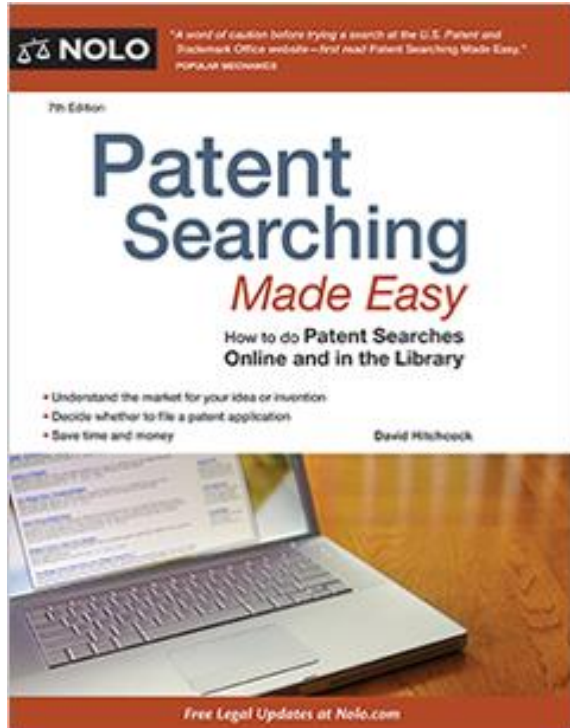


John Meier
Patent and Trademark Resource
Center Librarian
Pennsylvania State University

<http://psu.libguides.com/patents>



Books and other resources



Nolo Press books written by attorneys are available in print or as eBooks via EBSCO or Overdrive




Meier, J. J. (2015). Patent Searching for STEM Researchers. *Issues in Science and Technology Librarianship*, (79). <https://doi.org/10.5062/F4TQ5ZJF>

How to become familiar with the basics

- USPTO search
- Google Patents
- Other places

U.S. Patent & Trademark Office

<http://patft.uspto.gov/>



United States Patent and Trademark Office
An Agency of the Department of Commerce

Patent Full-Text Databases

PatFT: Patents
Full-Text from 1976

[Quick Search](#)
[Advanced Search](#)
[Number Search](#)

[View Full-Page Images](#)

[PatFT Help Files](#)
[PatFT Status, History](#)
[PatFT Database Contents](#)

[Report Problems](#)

<< BOTH SYSTEMS >>

The databases are operating normally.

[Notices & Policies](#)

[How to View Images](#)

[Assignment Database](#)

[Public PAIR](#)

[Searching by Class](#)

[Sequence Listings](#)

[Attorneys and Agents](#)

[Privacy Policy](#)

AppFT: Applications
Published since March 2001

[Quick Search](#)
[Advanced Search](#)
[Number Search](#)

[View Full-Page Images](#)

[AppFT Help Files](#)
[AppFT Status, History](#)

[Report Problems](#)

Google Patents

<https://patents.google.com/>



Search and read the full text of patents from around the world.

Other Tools

- Summon or your discovery layer that may contain patents
- Many business databases (Derwent Innovation Index from Clarivate)
- Espacenet (European Patent Office)
- PatentScope (World Intellectual Property Organization)

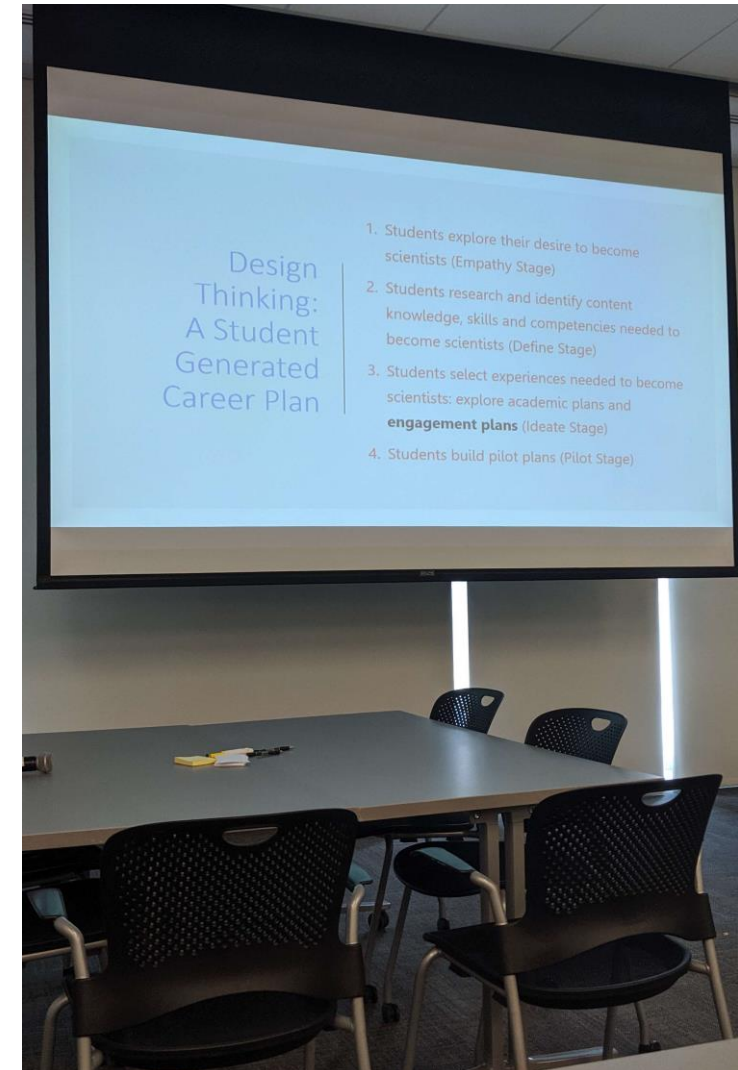
Strategies for you to learn these new systems

- You are a librarian/information professional – these government information systems have unique metadata, but it isn't anything new
- Here are the unique features of these systems
 - Patents are legal and technical documents; they use a lot of jargon and controlled vocabulary and codes
 - Thankfully, all patent information is FREE (free as in free beer)



What to create in your lesson plans

- Backwards design
 - Your audience
 - Learning outcomes
 - Tools and strategies
 - Discussion



Define Your Audience

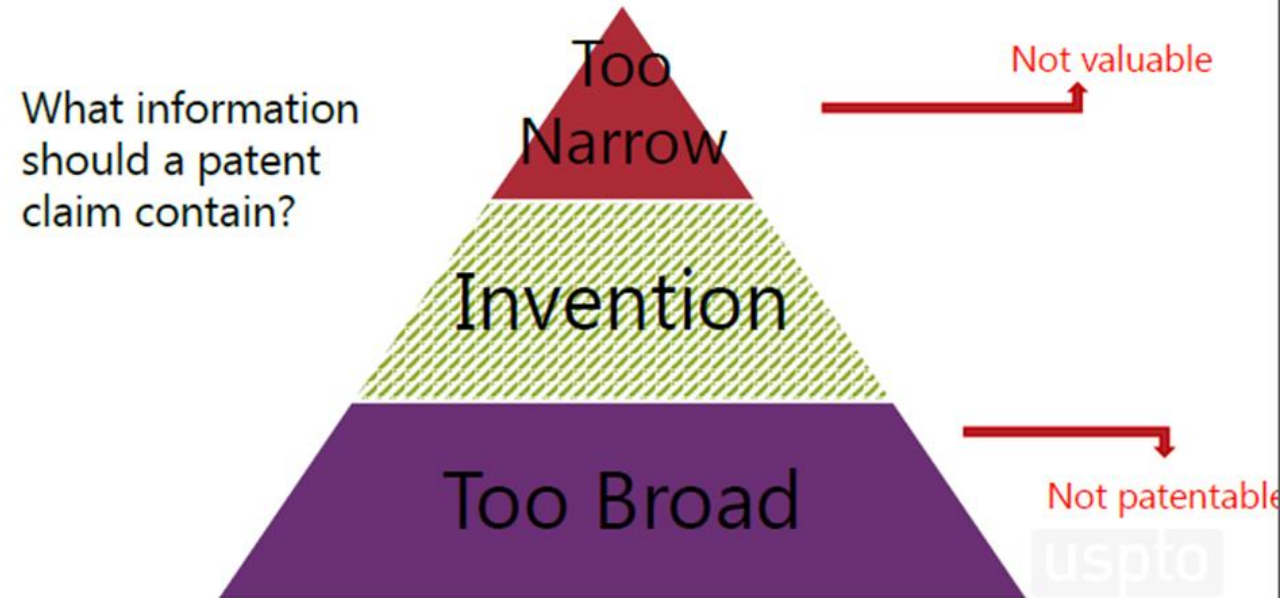
- Community
- Undergraduates
 - Engineering
 - Business
 - Chemistry
 - Entrepreneurship
- Graduate and Law students



Learning outcomes

1. Awareness of Intellectual Property
2. Ability to identify and find patents
3. Based on a product idea, find similar patents
4. Advanced patent searching with specific facets

What is patentable?



Tools and strategies

- Focus on concepts and vocabulary
- Use relevant examples
- Get the room talking
- Flip the classroom



Breakout Room Discussion

1. Take turns introducing yourselves – name, library, most likely audience for patent and trademark help
2. Pick a “team captain” to guide discussion on the following classroom scenario: *“For a first-year seminar for Engineering, the instructor wants students to pick a company, find one of their patents, and write a short summary of what it does.”*
3. Within the group, decide on your strategies for reaching this learning outcome along with a few tools and examples to use.

Thank you!

