

Eddie Van Halen's guitar support:

https://patentimages.storage.googleapis.com/41/59/63/c6466edd855de4/US4656917.pdf

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# Patents

- The law
- Recent case law
- Obtaining and using patents
- Patents in the wild

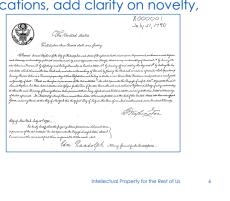




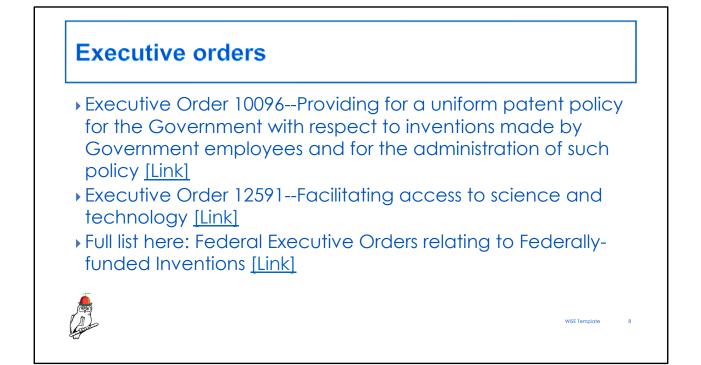
### **Patent law**

- First U.S. Patent issued on July 31, 1790 Samuel Hopkins was issued the first patent for a process of making potash, an ingredient used in fertilizer. The patent was signed by President George Washington
- 1830s expansion to allow aliens to file patent applications, add clarity on novelty, and use prior to filing
- ▶ 1842 design patents permitted
- 1930 first plant patent
- 1965 first software patent
- 1998 business methods
- Current patent law: <u>35 U.S.C</u>



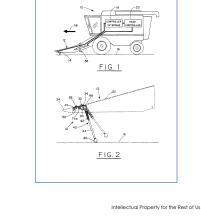






## Case law

- <u>Graham v. John Deere Co.</u> 383 U.S. 1 (1966) Clarifying the nonobviousness clause
- Gottschalk v. Benson (S. Ct. 1972) Disallows software patents
- <u>Diamond v. Diehr</u> (S. Ct. 1981)
   Allowed a patent, even though a computer program was involved
- <u>State Street Bank & Trust Co. v. Signature</u> <u>Financial Group, Inc.</u> (Fed. Cir. 1998)
   Established that software is patentable, even though there is no machine transformation



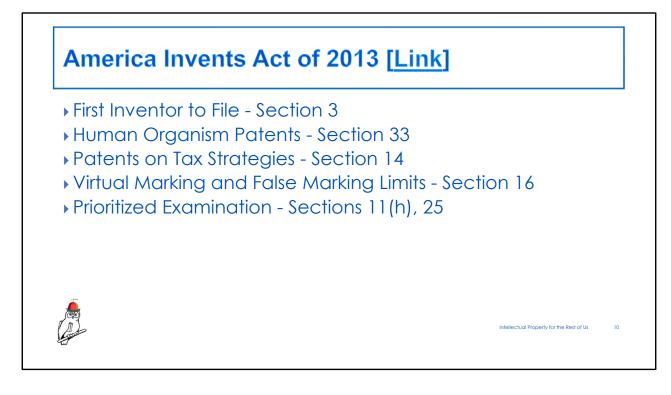
Sheet 1 of 4

US 6,202,395 B1

9

U.S. Patent





First Inventor to File - Section 3

Under this section, the U.S. transitions from a First to Invent patent system to a system where priority is given to the first inventor to file a patent application. Human Organism Patents - Section 33

The AIA prohibits granting patents for human organisms. This provision does not apply to previously issued patents.

Patents on Tax Strategies - Section 14

After the date of enactment of the AIA, "any strategy for reducing, avoiding, or deferring tax liability" is considered insufficient to distinguish a claimed invention from the prior art for purposes of evaluating an invention for novelty and nonobviousness.

Virtual Marking and False Marking Limits - Section 16

Allows patent owners to identify their products with the web address containing the patent information.

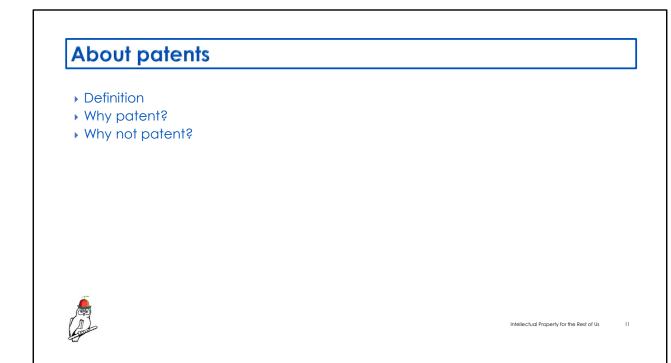
Limits false marking lawsuits to those filed by the U.S. government or by a competitor who can prove competitive injury.

May use a patent that covered the product, but has since expired.

Prioritized Examination - Sections 11(h), 25

The AIA gives patent applicants the option to request prioritized examination for inventions that are "important to the national economy or national

competitiveness.



# Definition

Black's Law dictionary has more than seven pages of definitions regarding patents and patent-related topics.

 Patent – The right to exclude others from making, using, marketing, selling, offering for sale, or importing an invention for a specified period (20 years from the date of filing), granted by the federal government to the inventor if the device or process is novel, useful, and nonobvious. <u>35</u> <u>USCA §§ 101–103</u>.



#### Why Patent? • To obtain exclusive rights to your invention • To recoup research and development costs Ince Medium Fill Cuaranteed The Most Comfortable Pillow You'll Ever Own! To attract investors 喻 • Patents are often about business, rather than Standa 12 invention. ÷. illow® CLASSIC Adjusts to Any Sleep Position Patented, InterLocking Fill Machine Washable & Dryable Built-In Cooling Effect 關日 CLASSIC STRAIGHT EDGE PILLOW WITH MEDIUM FILL "Son "trong back" on oth pare for sampling form Method and apparatus for a pillow including foam pieces of various sizes [Link] Intellectual Property for the Rest of Us 13

# Why not patent?

- Trade secrets may be preferrable
- It costs too much in money or time
- Why didn't we patent the spreadsheet? Were we stupid? [Link]
- Because you believe that patents inhibit creativity



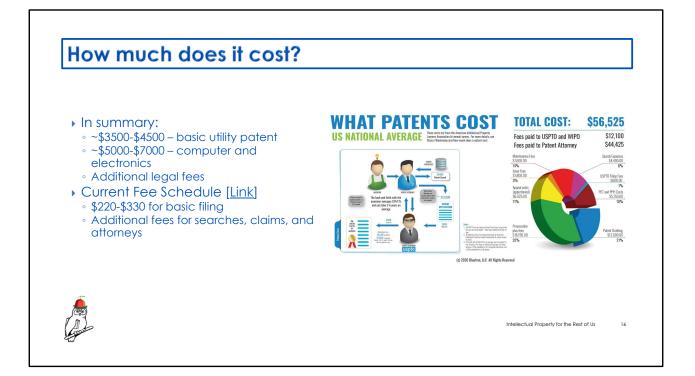


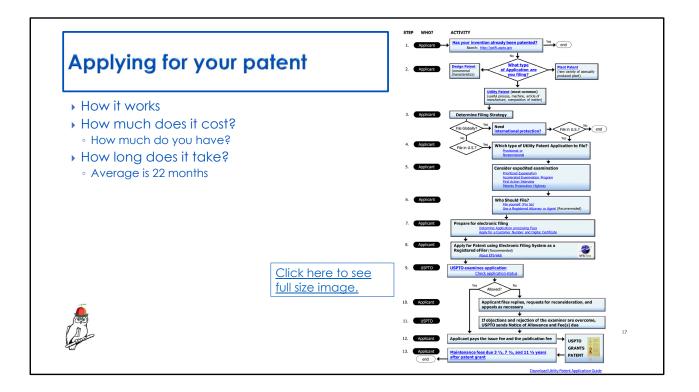
## How it works

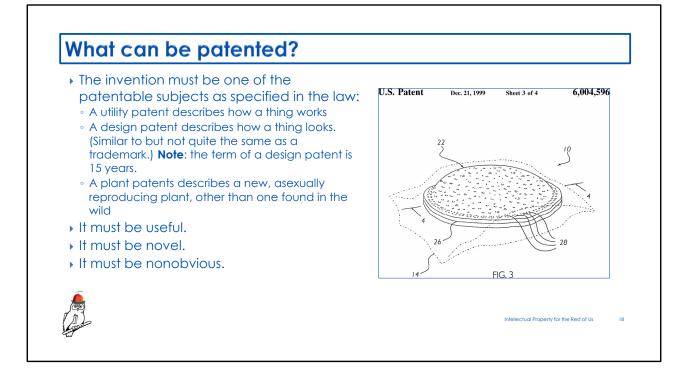
- Inventing something
- Deciding to patent your invention
- Applying for your patent
  - What to do while waiting?
  - Revising your application
- Using your patent
  - Marking your product [note new case law]
  - Licensing your patent
  - Selling your patent
- Protecting your patent



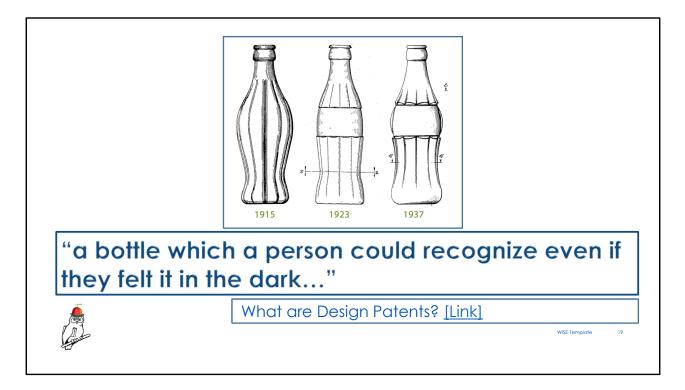








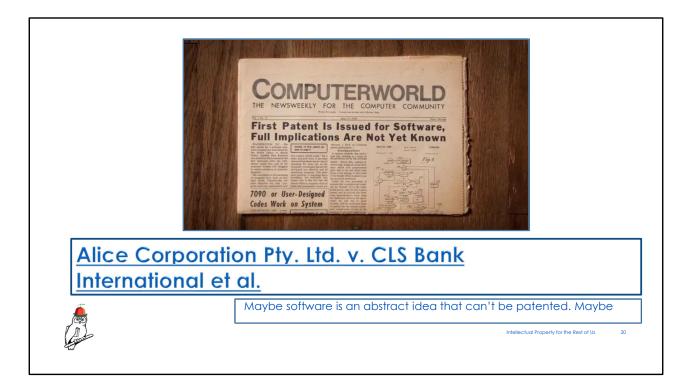
Crustless PB&J eventually overturned on obviousness

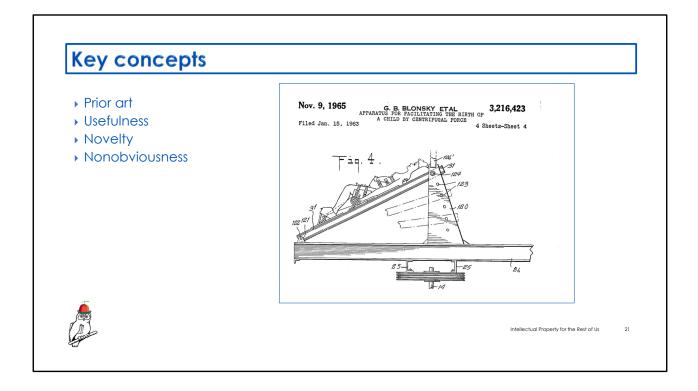


Coca-Cola design goals: https://coke2design.wordpress.com/2011/03/26/the-contour-bottle-a-brief-history/

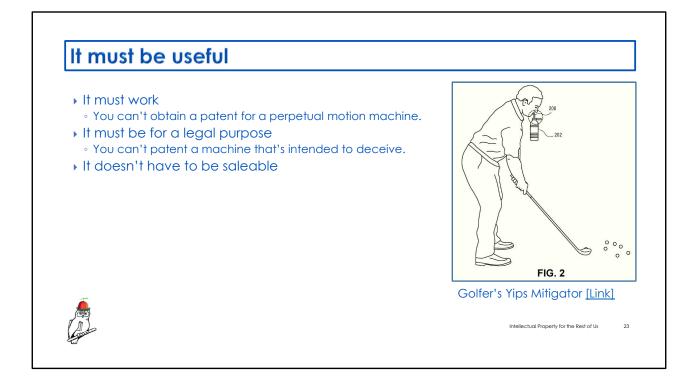
What You Need to Know About, and Why You Need, Design Patents -

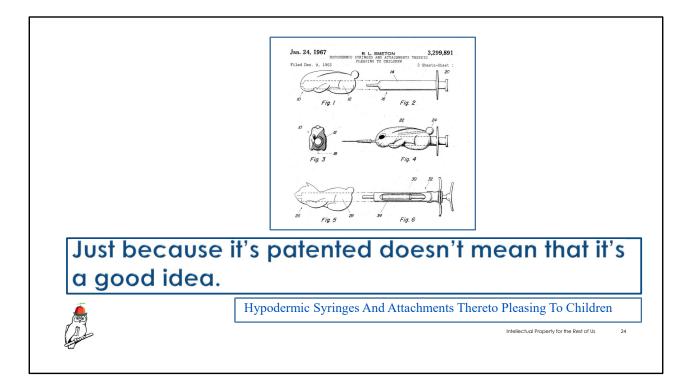
https://www.jdsupra.com/legalnews/what-you-need-to-know-about-and-why-you-3863891/?utm\_source=pocket\_mylist

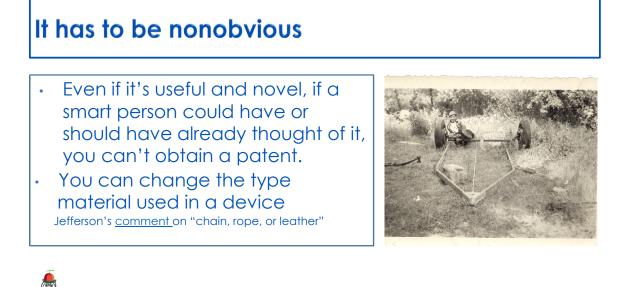


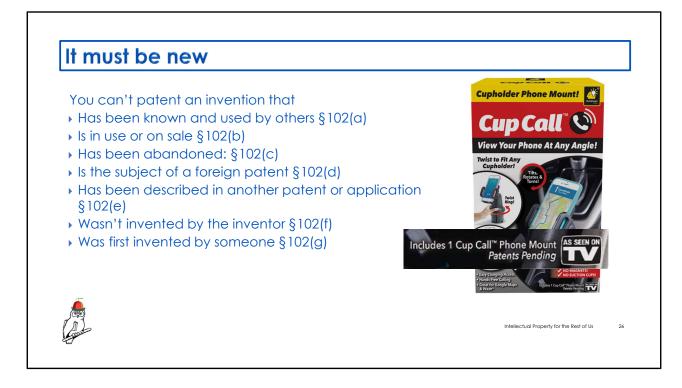




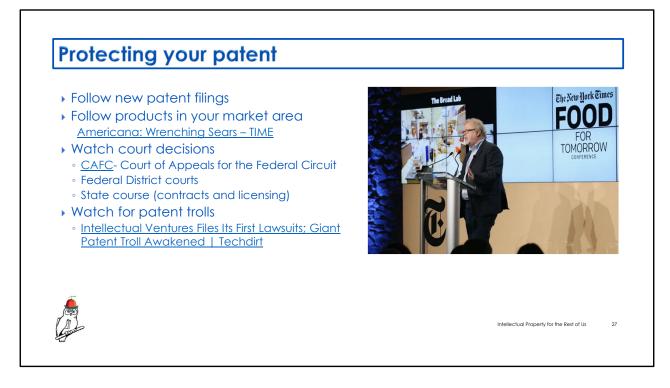




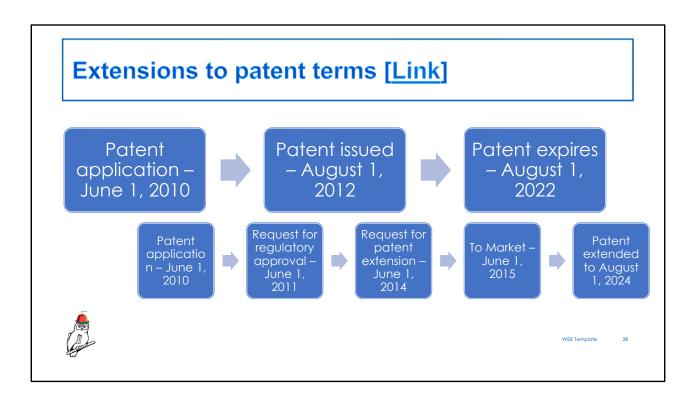




Walking golf ball [Link]



Nathan Myhrvold, founder and chief executive office of Intellectual Ventures and primary author of the Modernist Cuisine books, speaks onstage at The New York Times Food for Tomorrow Conference in 2015.





The U.S. Government owns on a scale of 30,000 patents and receives new grants for 1,000 or more each year.

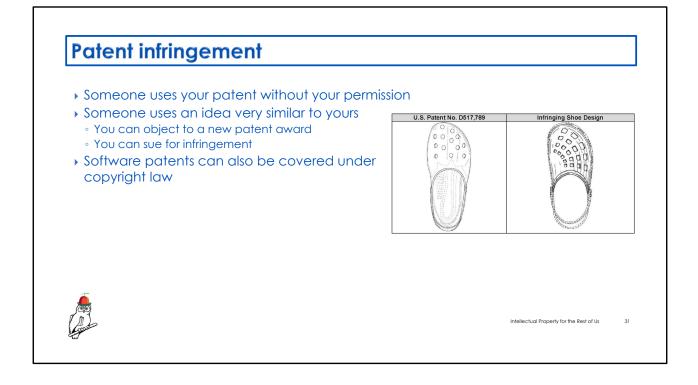
The Federal Funding of R&D: Who Gets the Patent Rights? [Link]

Some U.S. government patents are held in secrecy for national security purposes: The U.S. Government's Secret Inventions [Link]

Government Owned Patents: Everything You Need to Know [Link]

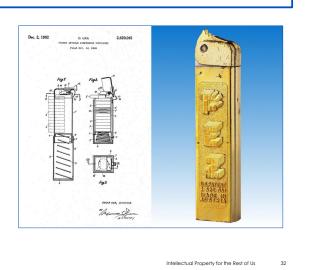
The Government's Patent Policy: The Bayh-Dole Act and "Authorization and Consent" [Link]

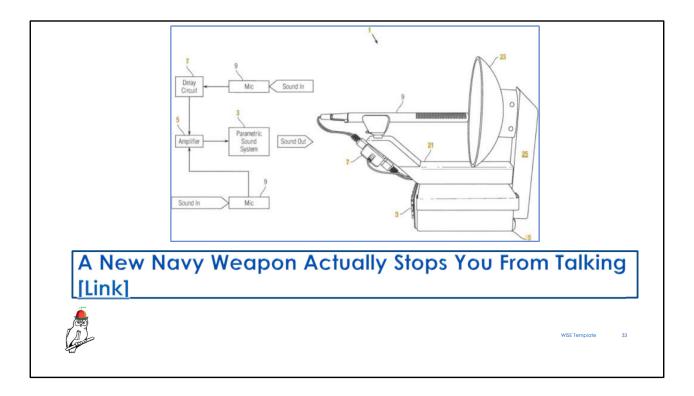
Rank	Owner	2020	
	1 International Business Machines Corp	9130	
	2 Samsung Electronics Co Ltd	6415	
	3 Canon Inc	3225	
	4 Microsoft Technology Licensing LLC	2905	
	5 Intel Corp	2867	
	6 Taiwan Semiconductor Manufacturing Co TSMC Ltd	2833	
	7 LG Electronics Inc	2831	
	8 AppleInc	2792	
	9 Huawei Technologies Co Ltd	2761	
1	0 Qualcomm Inc	2276	
1	1 Amazon Technologies Inc	2244	
1	2 Sony Corp	2239	
1	3 BOE Technology Group Co Ltd	2144	
1	4 Toyota Motor Corp	2079	
1	5 Ford Global Technologies LLC	2025	
	6 Samsung Display Co Ltd	1902	
	7 Google LLC	1817	
	8 General Electric Co	1760	
	9 Micron Technology Inc	1535	
2	0 Hyundai Motor Co	1464	
ents issu	ed in 2020 [ <u>Link</u> ]		
	IBM has been the a	consistent leader	since 1990
		Inte	ellectual Property for the Rest of I



# Using your patents

- Applying it to your product
   Note: recent court decision on patent marking [Link]
- Licensing your patent
- Selling your patent





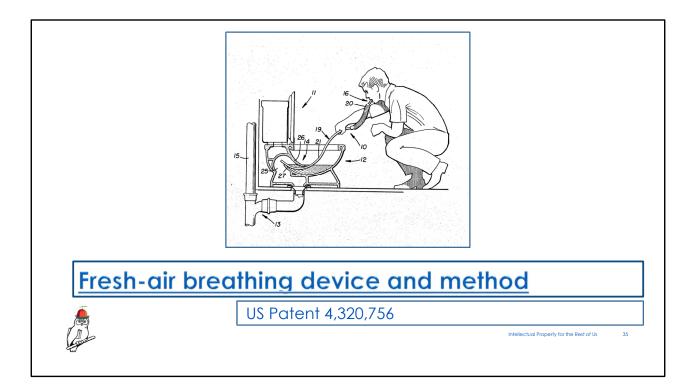


# Why the University of Florida gets a ~\$20m cut of Gatorade profits every year [Link]



Patent expired, but trademarks last forever.

WISE Template 34



	Watching soap operas at 70 miles an hour AutoVision system lets drivers watch TV while they are behind the wheel. Proof-mounted antenna picks up local TV station's signal
	<ul> <li>Ceiling-mounted TV projector is powered by the car electric system</li> <li>Curved mirror mounted on windshield catches image</li> <li>Driver uses hand-held remote control to change channels or adjust volume</li> <li>Driver watches TV picture while steering through traffic</li> </ul>
Auto	Image seems to float about one car-length ahead of driver SOURCE: AutoVision Associates KRT Vision [Link]
í.	Ground vehicle head up display for passenger [Link]

