

Description of the patent process and decision tree analysis algorithm for RPA robotics process automation

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Gliwice, POLAND

adam.karwan@gmail.com

Agenda

- ✓ Description of the business problem and existing solution
- ✓ Presentation of the decision tree balancing algorithm
- ✓ Description of the patenting process - practical aspects

3, 7, 13, 24, 33, 52, ??

HOW TO PATENT YOUR IDEA

1. What is Patent (Intellectual Property - **IP**)?
2. Why should we **Patent**?
3. How patent process look likes (Intellectual Disclosures - **ID**)?
4. Patents in Companies
5. Good Practices, Open Source
6. Examples
7. Questions and Answers

WHAT WHY HOW

WHAT

- ✓ What is a Patent [[youtube](#)] only 2 minutes, What is a Patent
- ✓ Patent Basics 6 movies ~1hour [[youtube](#)] (at 2:30 min)

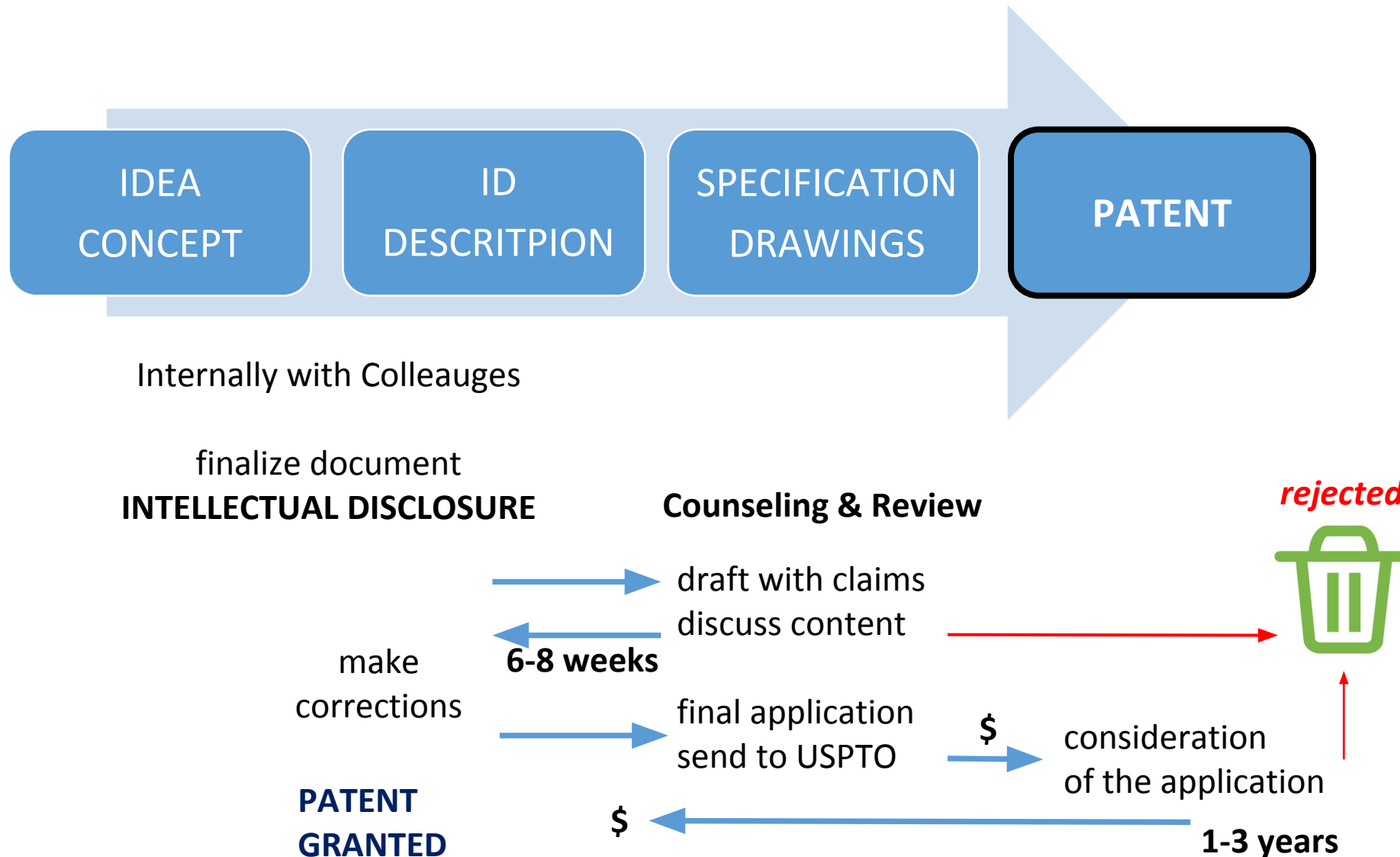
WHY

- ✓ Protect Property, Increase Value, Patent Portfolio, Eternal Glory
- ✓ **Inventor** versus **Owner**

HOW

- ✓ Describe Invention + Add Scratches, Demo or Prototype

Workflow from Idea to final Patent



Open Source – License Issues

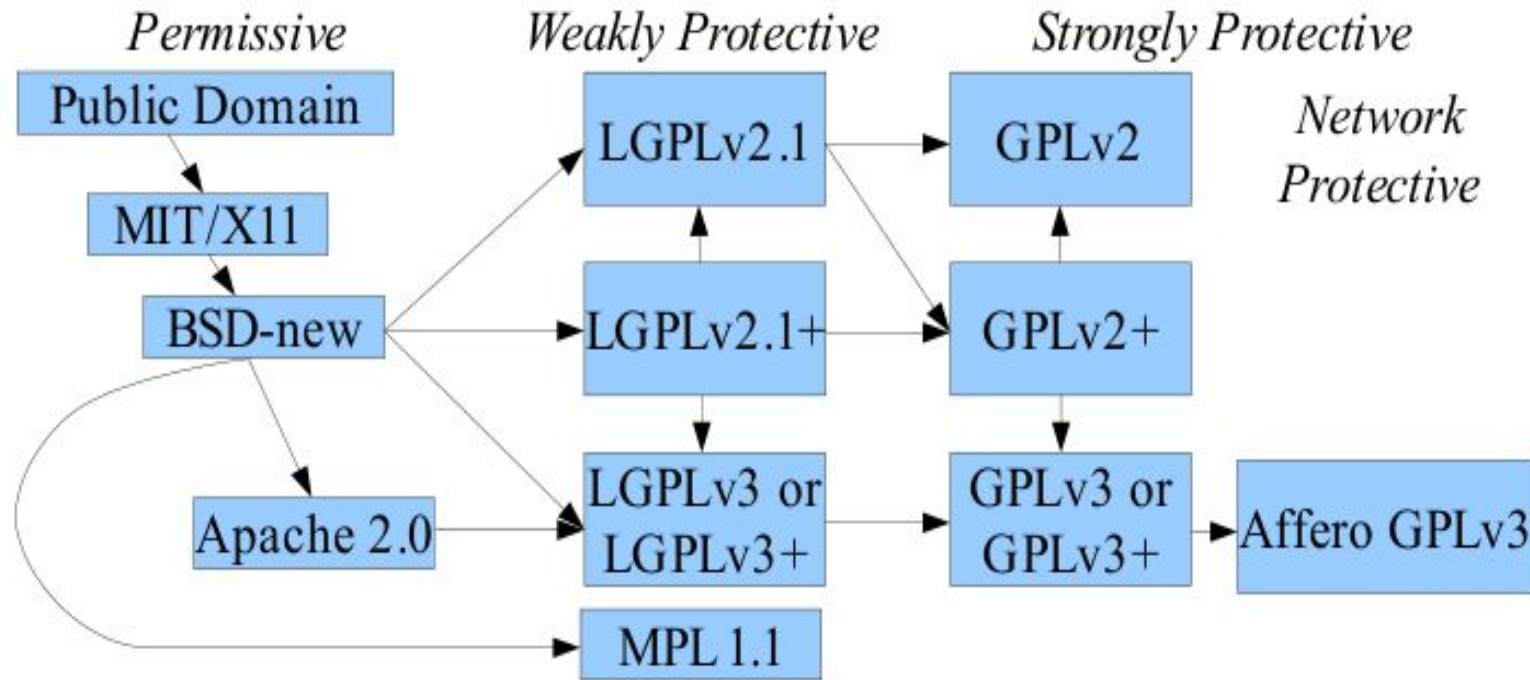


image source <https://www.dwheeler.com/essays/floss-license-slide.html>

Good Practices

- ✓ start from scratch and **don't google other Patents**
- ✓ check Internet for similar ideas
(blogs, news, articles, white papers, etc...)
- ✓ feedback from IP coordinators

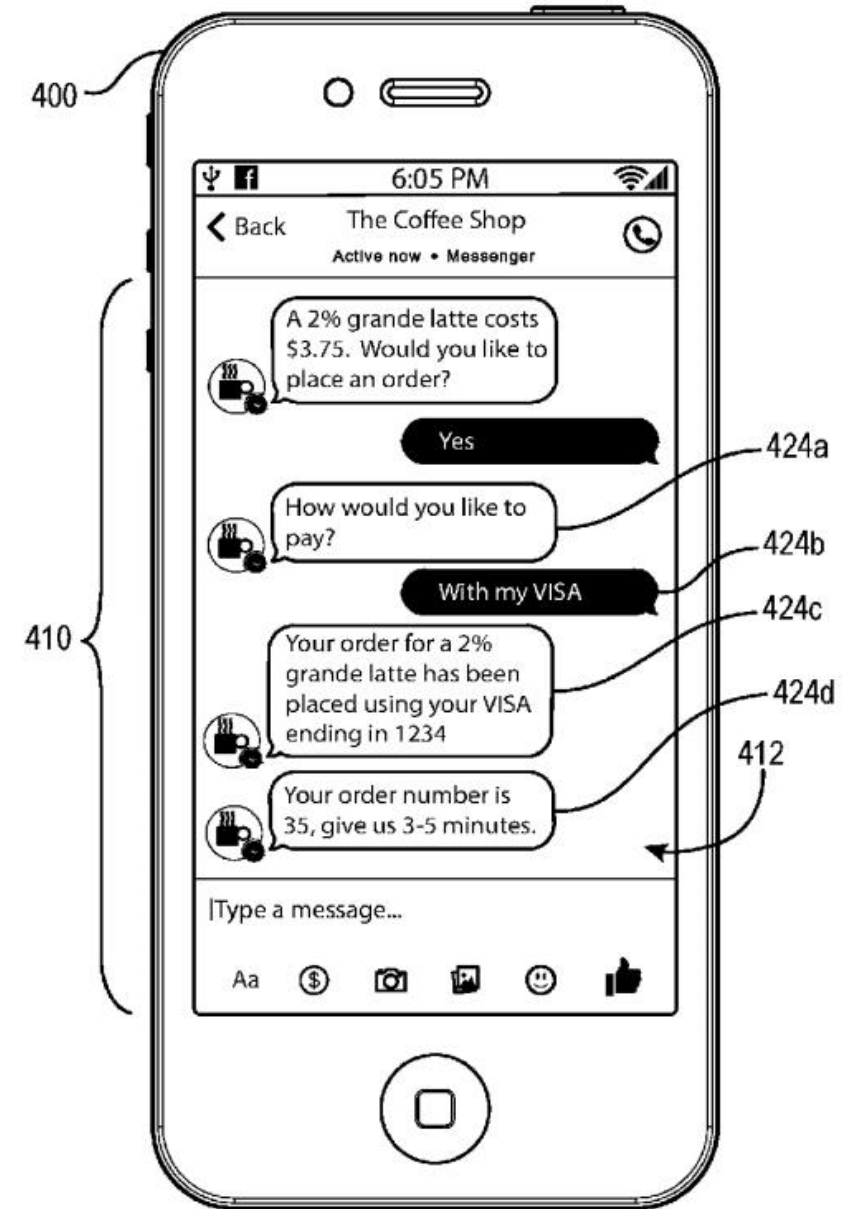
Facebook

Processing Payment Transactions Using
Artificial Intelligence Messaging Services
US 2018/0183737 A1

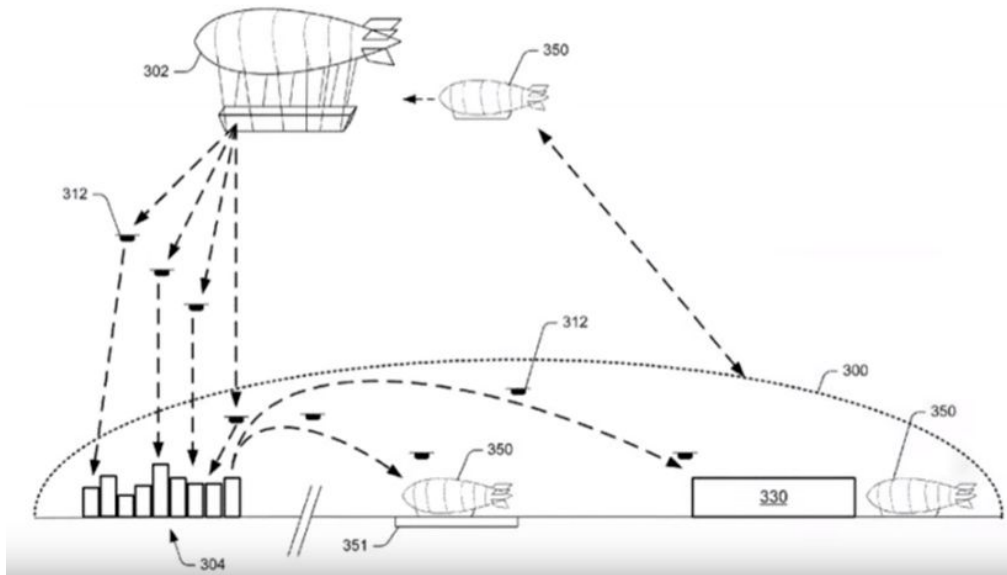


BIZNES W ERZE ROBOTÓW

<https://robonomika.pl/facebook-opatentowal-platnosci-za-posrednictwem-botow>



Amazon



(21) Appl. No.: 14/887,274

(22) Filed: Oct. 19, 2015

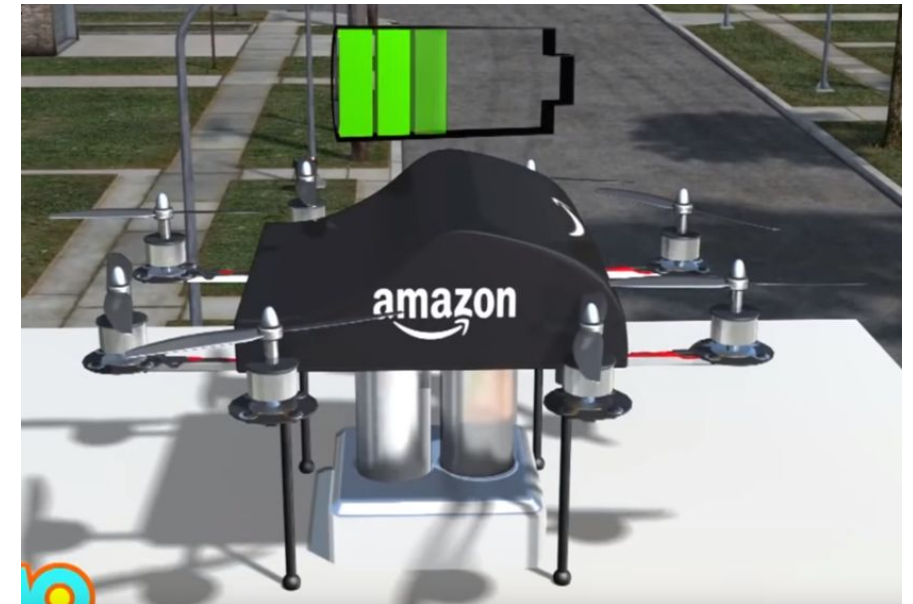
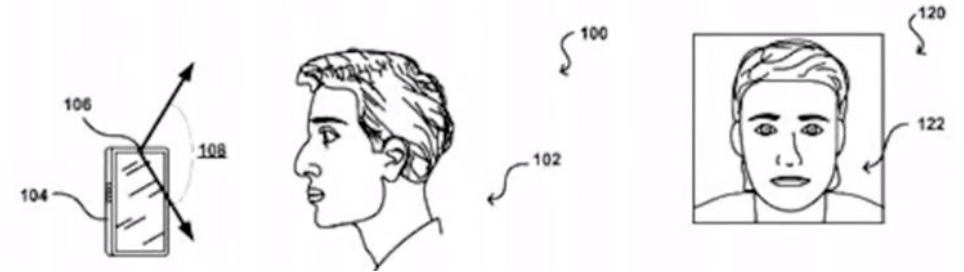
Related U.S. Application Data

(62) Division of application No. 13/350,633, filed on Jan. 13, 2012, now Pat. No. 9,202,105.

(57)

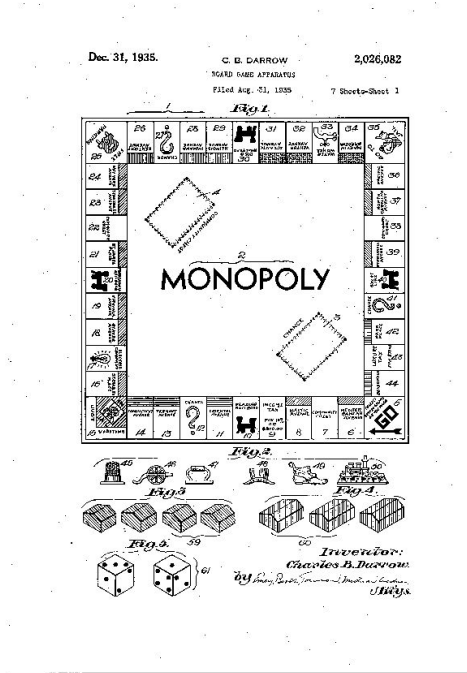
ABSTRACT

A transaction is authorized using an authentication process that prompts the user to perform an action in view of a camera or sensor. The process identifies the user and verifies that the user requesting the transaction is a living human being. The user is identified using image information which is processed utilizing facial recognition. The device verifies that the image information corresponds to a living human using one or more human-verification processes. The device prompts the user to perform an action to confirm the transaction, and causes the transaction to be performed after verifying performance of the action by the identified user.

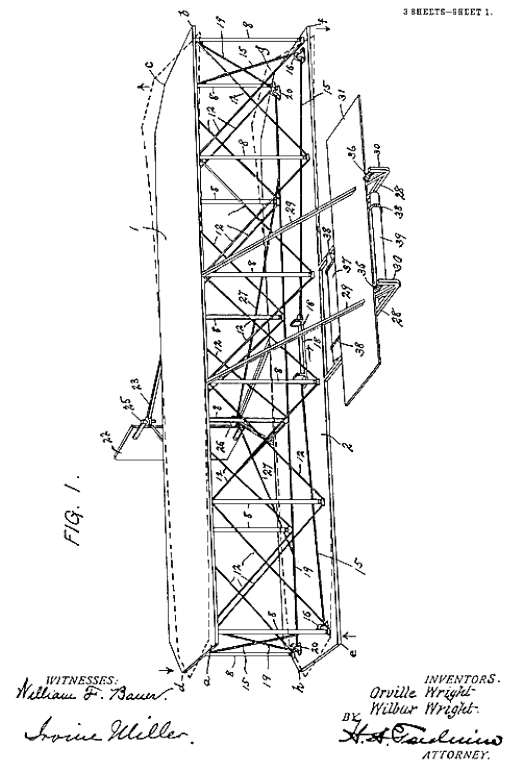


<https://www.youtube.com/watch?v=7aYHKq3pwfE>

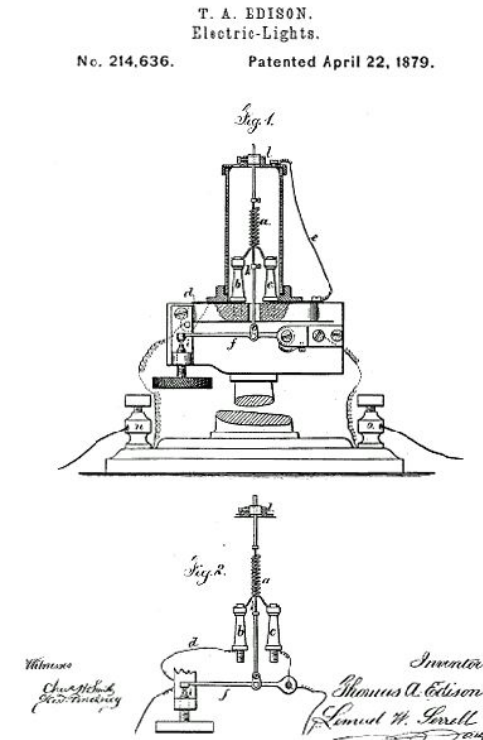
Historical Patents



Monopoly



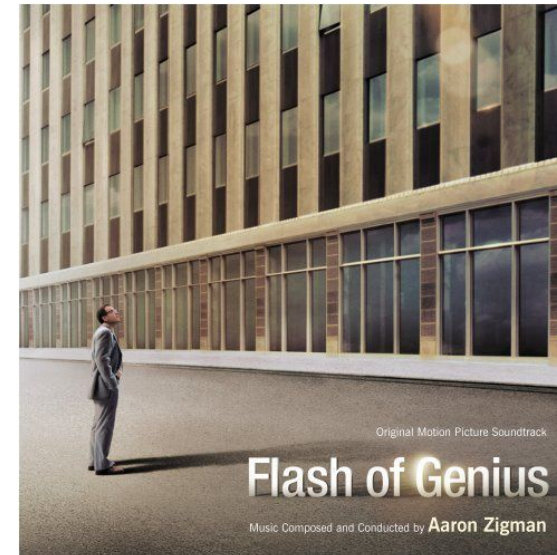
Flying Machine
1905, Wrights



Electric Light
Edison, over 1k Patents

https://en.wikipedia.org/wiki/List_of_Edison_patents

SONY Walkman, Kramer, iPOD

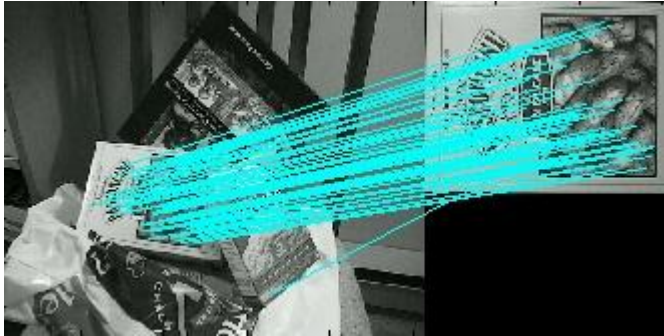


Windshield Wiper System with Intermittent Operation

Robert Kerns

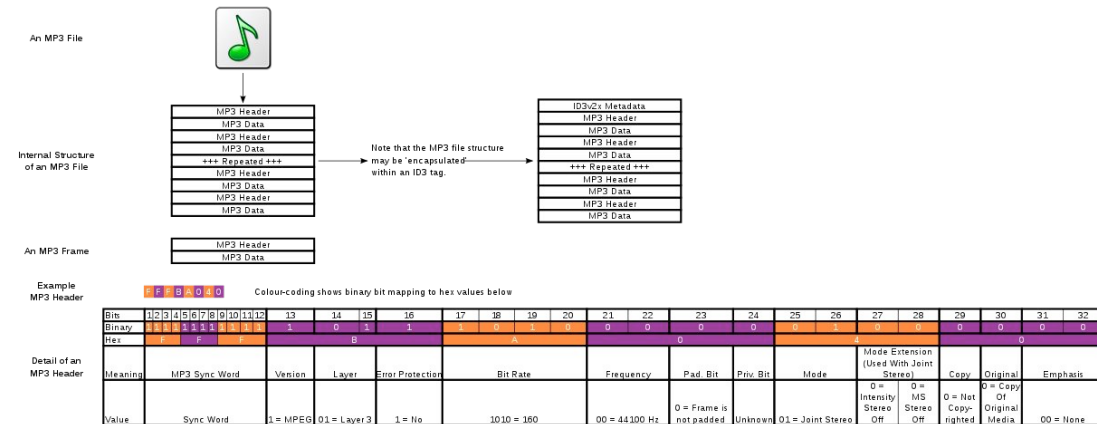
https://www.imdb.com/title/tt1054588/videoplayer/vi1591476505?ref=tt_ov_vi

Algorithms e.g. SIFT and MP3



<https://www.cs.ubc.ca/~lowe/keypoints/>

US patent on SIFT held by the University of British Columbia expired as of March 7, 2020



MP3 licences revenues 100M Euro for Fraunhofer Institute in 2005

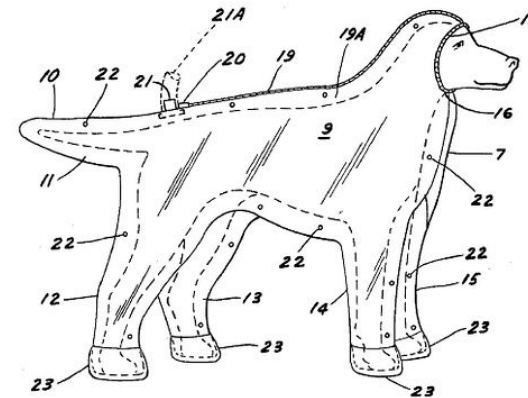
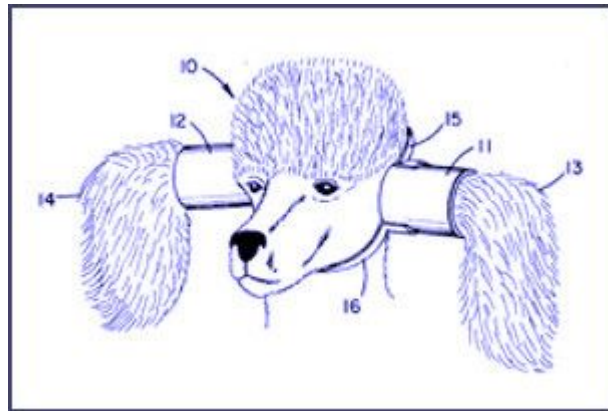
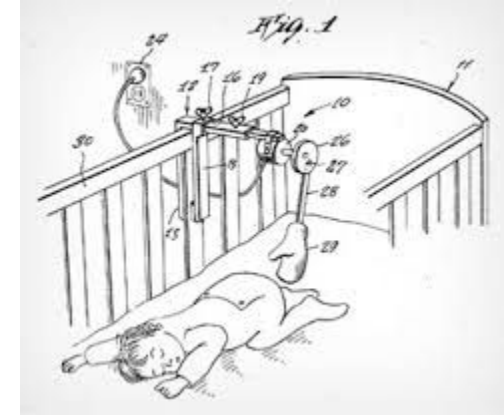
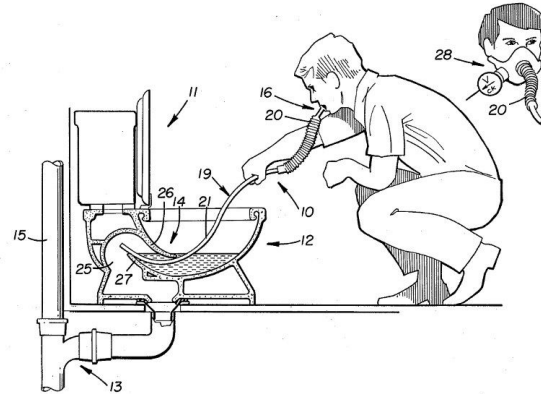
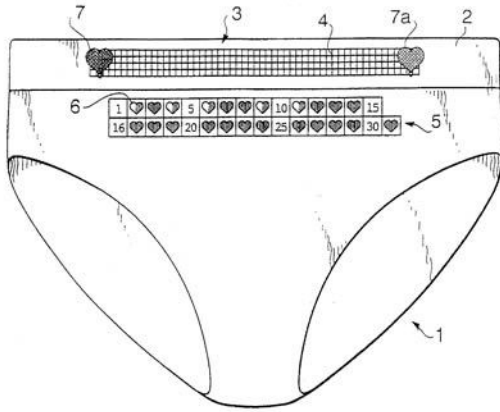
Visualization e.g. Slider by Microsoft



NOT Patented - secret recipe



Silly Ideas? Are you sure they are ...



Hilarious Patent

<https://rockymountainpatent.com/blog/25-hilarious-patent-illustrations-for-your-enjoyment/>

Crowdfunding can help with “crazy” Projects



FIDGET CUBE
work | class | home

<https://www.kickstarter.com/projects/antsylabs/fidget-cube-a-vinyl-desk-toy>

Matthew & Mark McLachlan

<https://www.antsylabs.com/>

Statistics

US patents granted 2017 by Company

<https://www.statista.com/statistics/274825/companies-with-the-most-assigned-patents>

Origin	Patents	Marks	Designs
China	1	1	1
U.S.	2	2	4
Germany	5	4	2
Japan	3	3	7
Rep. of Korea	4	8	3
France	6	5	8
U.K.	7	7	11
Italy	11	11	5
Switzerland	8	13	9
India	12	6	14
Turkey	23	10	6
Iran (Islamic Republic of)	16	12	12
Russian Federation	10	9	23
Netherlands	9	19	16
Spain	22	15	10
Sweden	14	26	13
Australia	21	16	20
Canada	13	18	27
Austria	17	25	18
Brazil	24	14	22
Poland (f)	26	20	17
Ukraine	33	23	15
Belgium	18	29	33
Denmark	20	36	25

Ranking of total (resident and abroad) IP filing activity by origin, 2016

http://www.wipo.int/edocs/pubdocs/en/wipo_pub_941_2017.pdf

