

Patents & Open Hardware

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@jononor

Open Hardware & Patents = incompatible

Patents not for small inventors

Open Hardware = excellent innovation form

NOT attempting to reform patent system

> whois jonnor

...

...

engineer

software

electronics

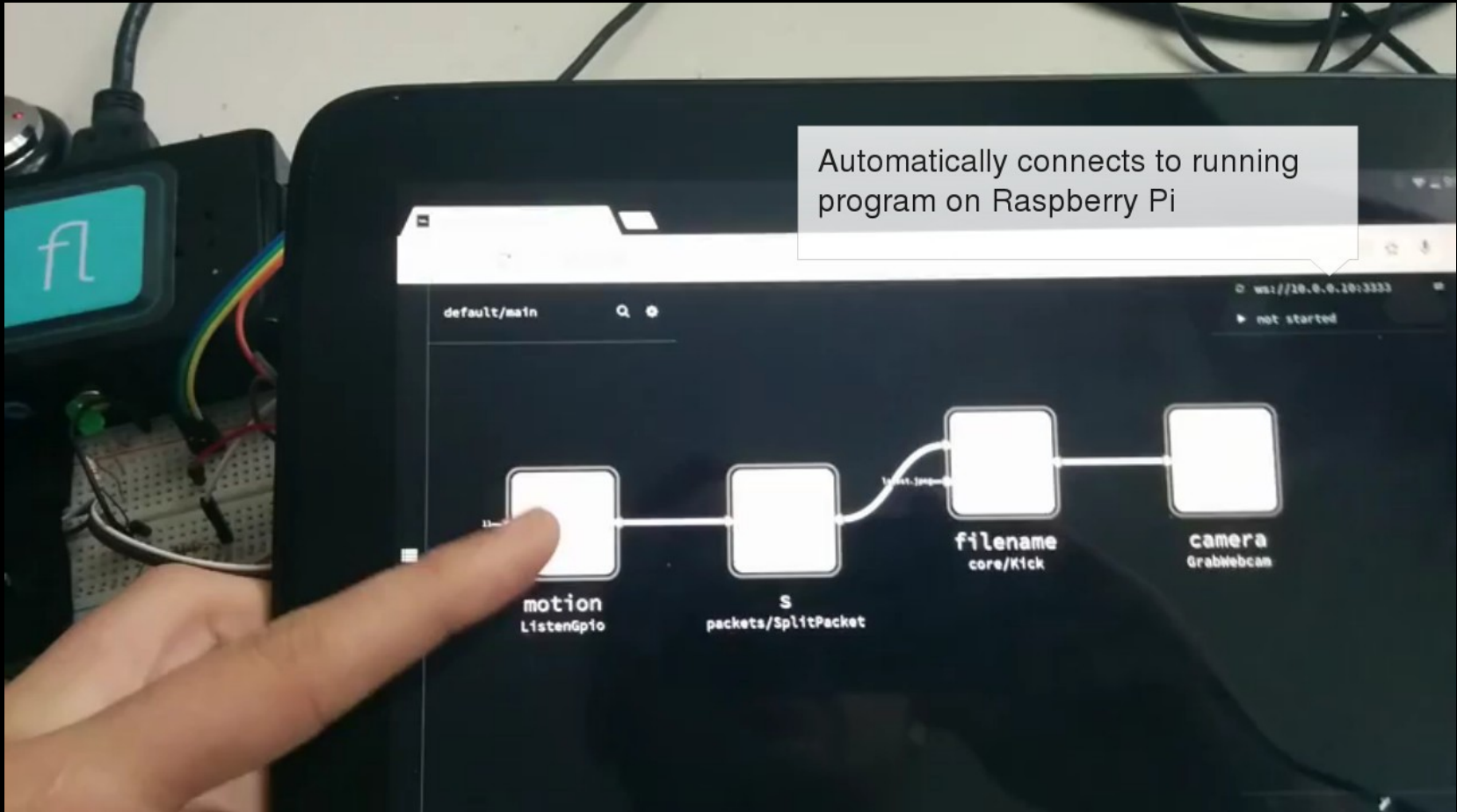
maker

hacker

Raspberry Pi running NoFlo node.js
w/ NFC sticker attached



Automatically connects to running program on Raspberry Pi



What are patents?

definition

right to time-limited monopoly on use of invention

purpose

ensure inventions available to public

encourage innovation

Patentability

Novel

Inventive

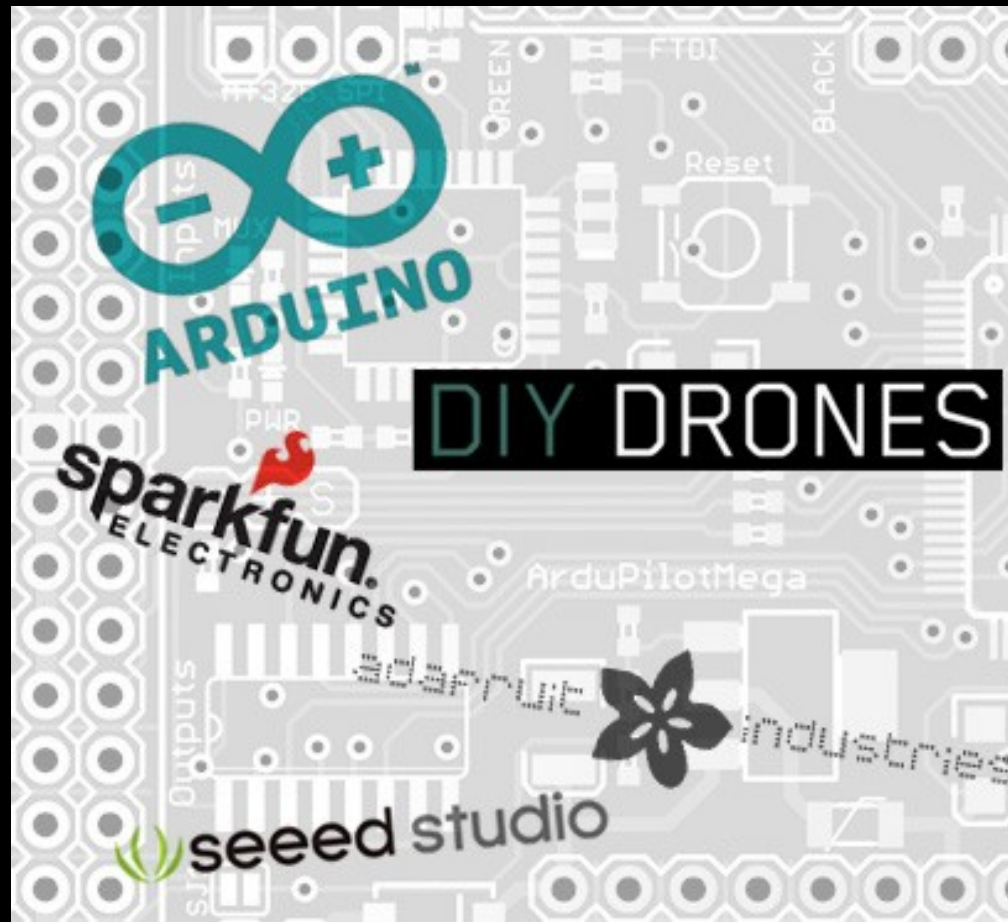
Useful

OSHW definition

"Open source hardware is hardware whose design is made publicly available so that **anyone can study, modify, distribute, make, and sell** the design or hardware based on that design"

<http://freedomdefined.org/OSHW>

Open source != non-commercial



Patents are broken

the system is rigged

License to sue

not money in the bank

Using patent optional



Not enough time to check

Bad patents get through

Litigation insanely expensive



No transparency



Competing in court instead of market

[http://www.forbes.com/sites/timworstall/2013/11/07/
interesting-number-microsoft-makes-five-times-more-
out-of-android-than-it-does-windows-phone/](http://www.forbes.com/sites/timworstall/2013/11/07/interesting-number-microsoft-makes-five-times-more-out-of-android-than-it-does-windows-phone/)

Mutually Assured Destruction



15-30 years



Defend

Defensive Publication



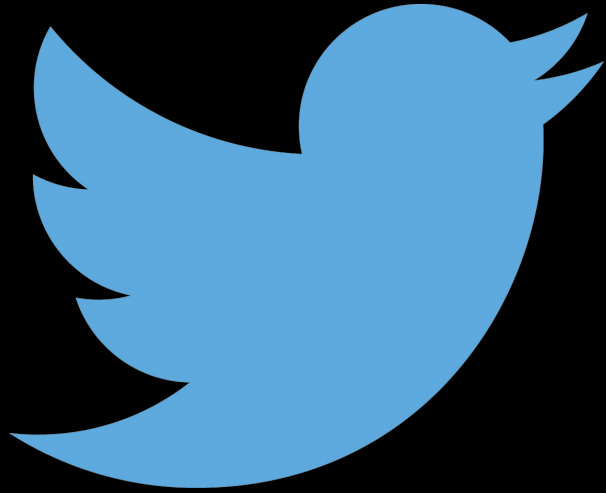
<http://www.linuxdefenders.org/>

Patent pool

open**invention***network*SM

<http://www.openinventionnetwork.com>

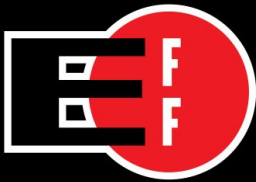
Patent promise



<https://github.com/twitter/innovators-patent-agreement>

http://www.redhat.com/legal/patent_policy.html

Support reform



ELECTRONIC FRONTIER FOUNDATION







eff.org

<https://eff.org/join>

Open Hardware

Open Innovation

Open Source as prior art

Commits on Oct 13, 2014		
	AVR: Add missing pure_virtual handler jonnor authored 4 days ago	14d2c0a <>
	engine: Split up main.hpp into platform specific file ... jonnor authored 4 days ago	ccb56e4 <>
	Bump jonnor authored 5 days ago	e417071 <>
	Remove MicroFloComponent and custom NoFlo ComponentLoader ... jonnor authored 5 days ago	c905f59 <>
	engine: Different name for method with different signature jonnor authored 5 days ago	e07418e <>
	Initial support for exported outports jonnor authored 5 days ago	53838d9 <>

Openness → visibility → leadership

Recruit contributors

Frictionless

cross-company collaboration

Company fail \neq idea fail

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