OHANDA

Open Hardware and Design Alliance

OHANDA (Open Hardware and Design Alliance) is an **initiative** to foster sustainable sharing of open hardware and design. It was started at the GOSH!-Grounding Open Source Hardware summit at the Banff Centre in July 2009 and one of the first goals of the project is to build a service for open hardware design which includes a certification model and a registration. Ohanda is in process, the process is open.

Adaptation of freedoms from Free Software Definitions:

Freedom 0.

The freedom to use the device for any purpose

(The freedom to run the program for any purpose)

Freedom 1.

The freedom to study how the device works and change it to make it to do what you wish. Access to the complete design is precondition to this.

(The freedom to study how the program works, and change it to make it to do what you wish. Access to the source code is precondition to this)

Freedom 2.

Redistribute the device and/or design (remanufacture)

(The freedom to redistribute copies to help your neighbourgs)

Freedom 3.

The freedom to improve the device and/or design, and release your improvements (and modified versions in general) to the public, so that the whole community benefits. Access to the complete design is precondition to this.

(The freedom to improve the program and, and release your improvements (and modified versions in general) to the public, so that the whole community benefits. Access to the source code is a precondition to this.
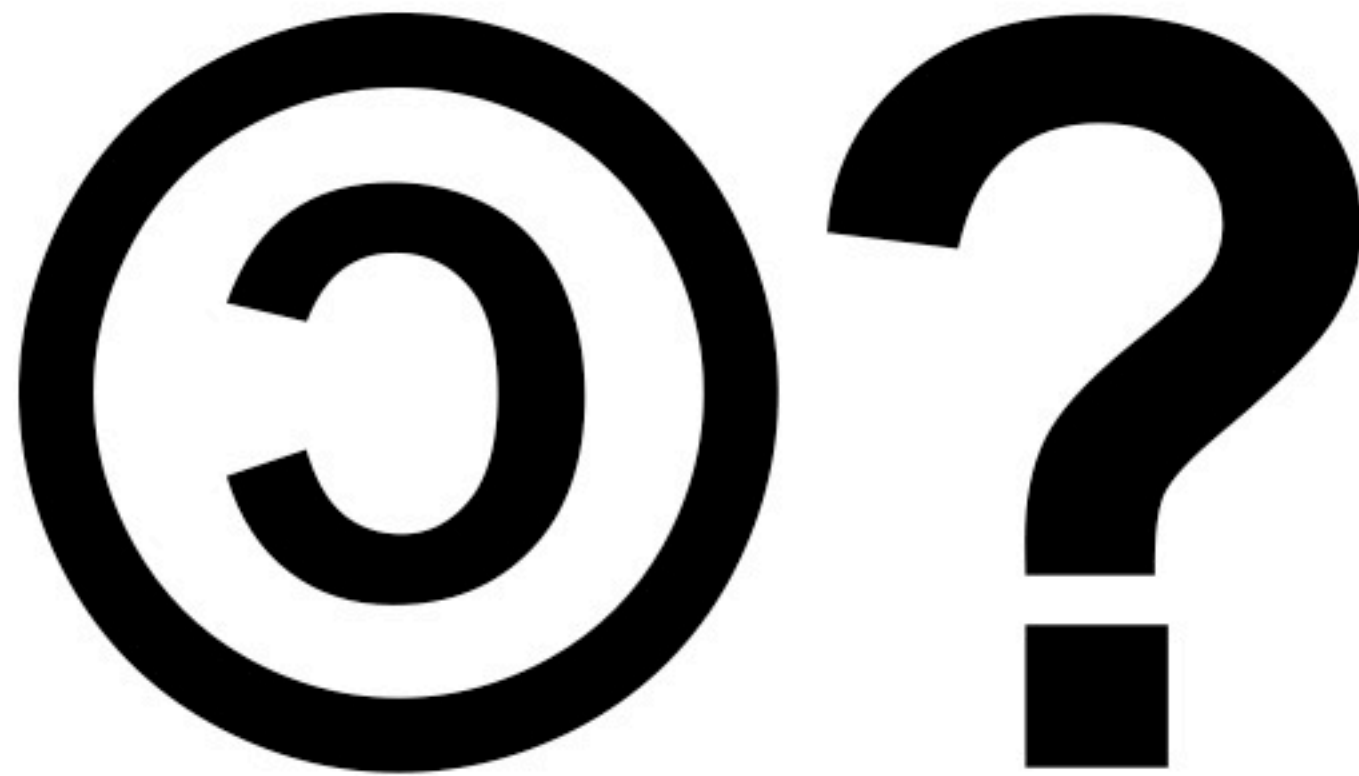
Why can't we just use any copyleft license? In short: copyleft is legally based on copyright, which can not be used in the physical world. The equivalent would be patents, but patenting hardware to make it open is too time consuming, complicated and expensive.
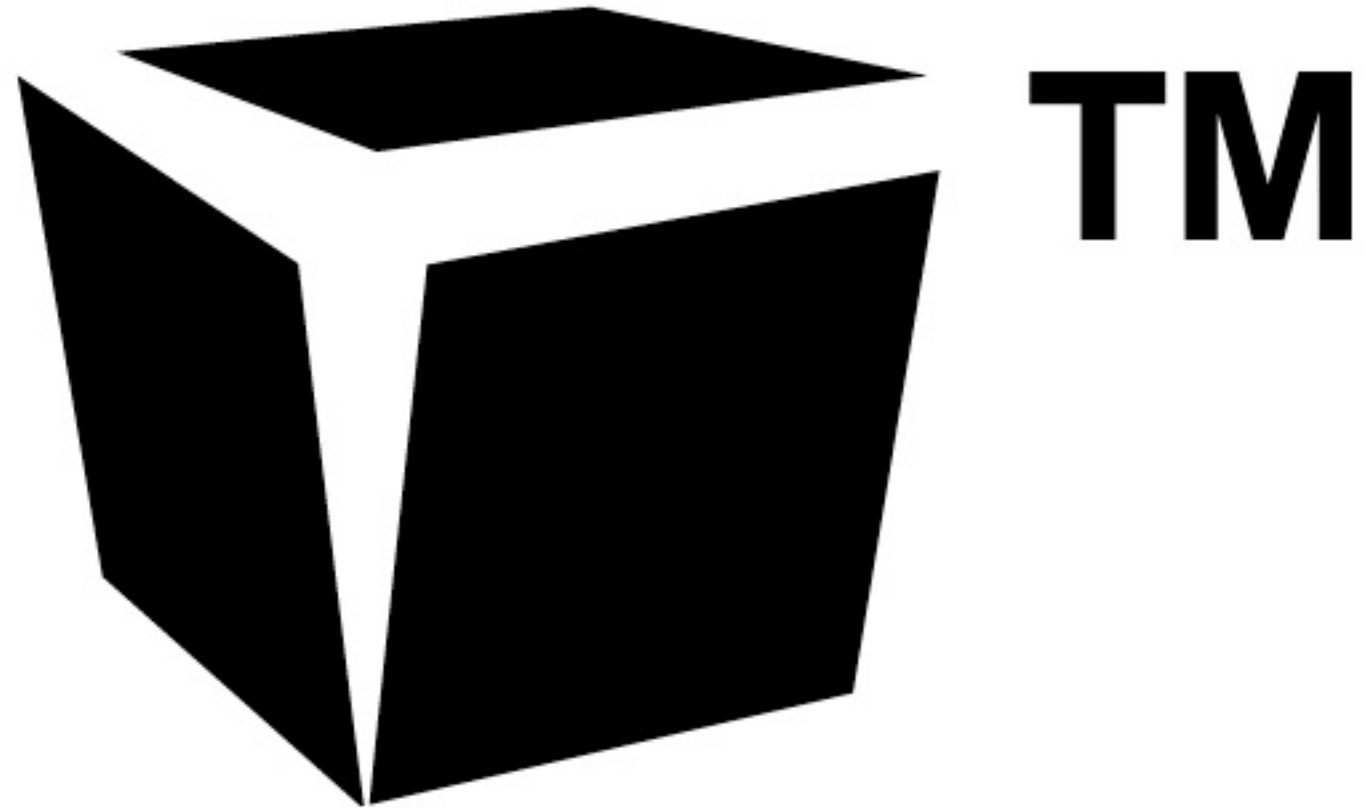
The solution is a trademark. The trademark will allow the designer to connect a copyleft license with any kind of physical device through Ohanda.

How does it work?

Ohanda.org scenario

designer
individual / group
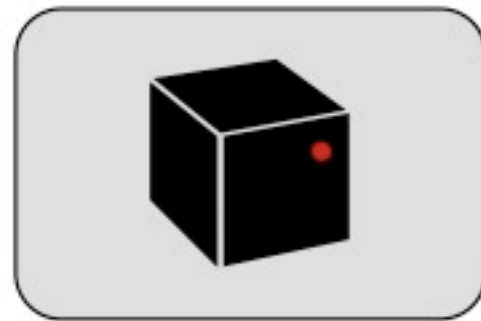
device / prototype
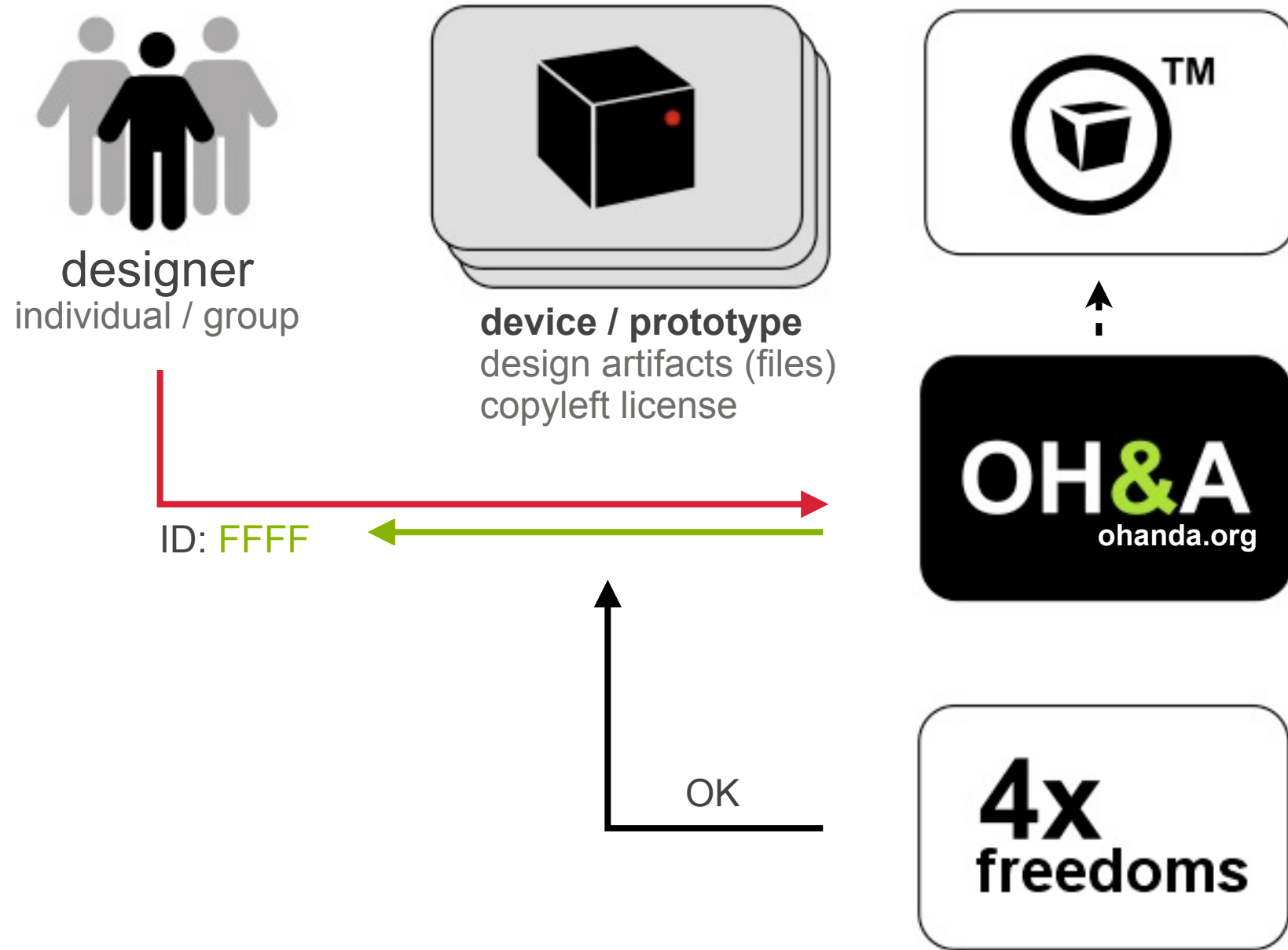
design artifacts (files)

copyleft license

1. The designer applies the copyleft license to the product designs and documentation.

designer
individual / group

device / prototype
design artifacts (files)
copyleft license

ID: FFFF

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4x freedoms

2. The designer **registers in** (as a person or as an organisation) and gets an unique **developer ID**. By registering at Ohanda, the designer accepts the terms and conditions to use the trademark by granting the 4 freedoms to the user and publishing the work under a copyleft license.
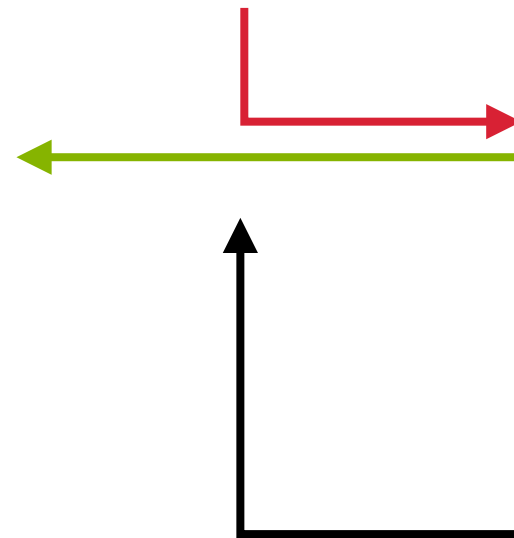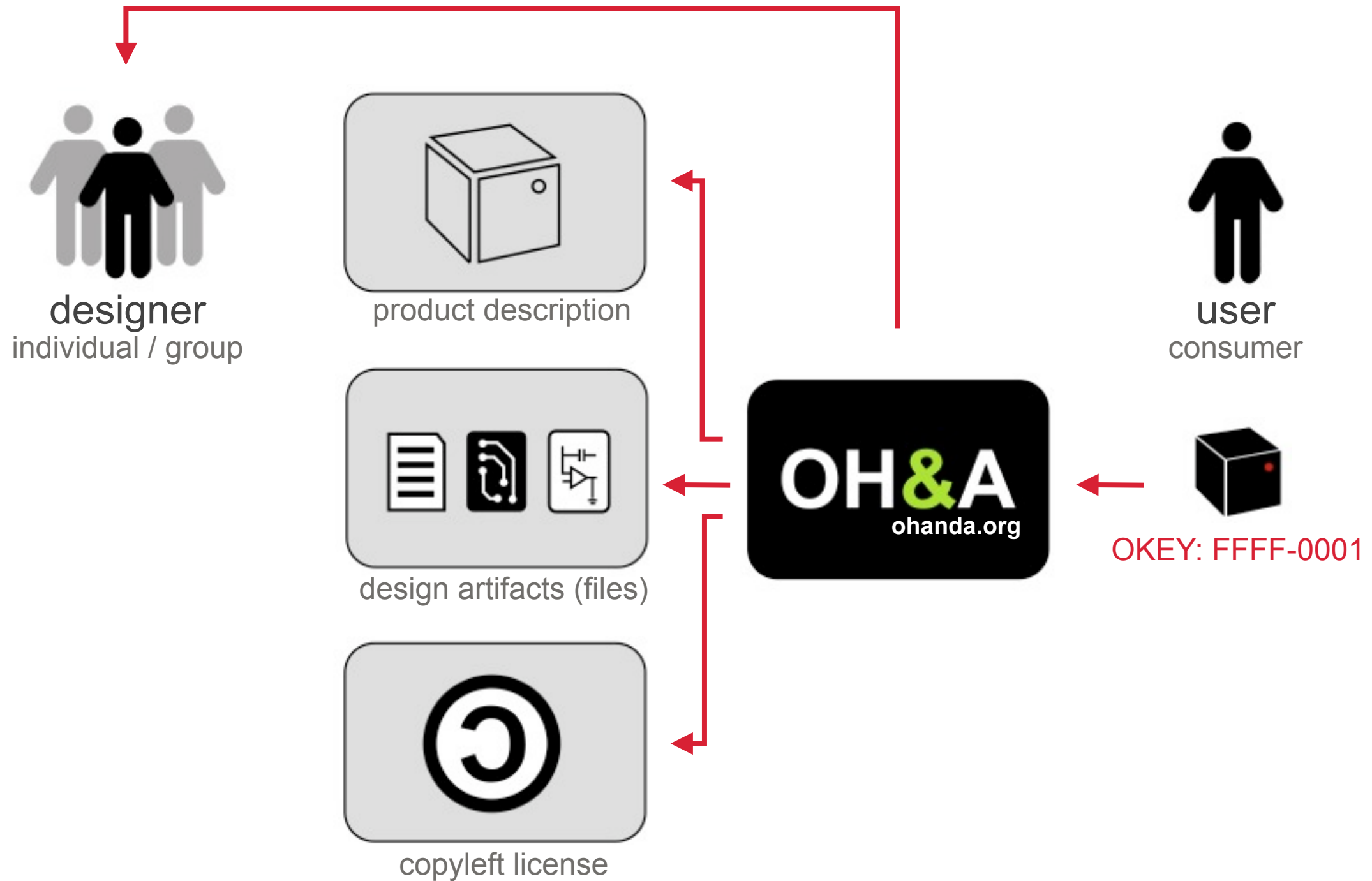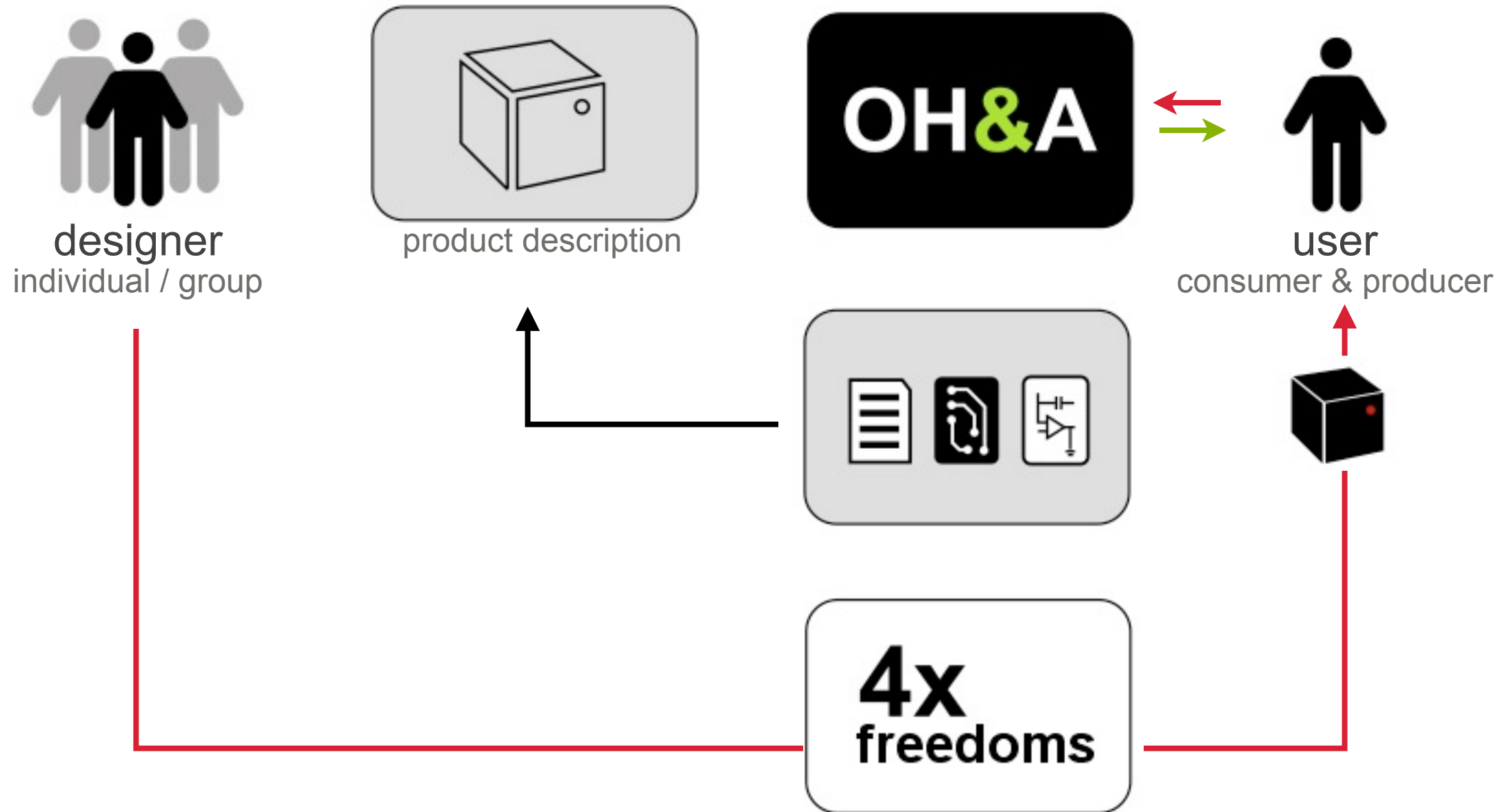
designer
ID: FFFF
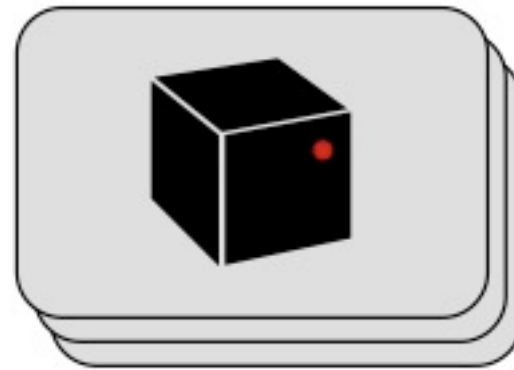
device / prototype

OKEY: FFFF-0001

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4x freedoms

3. The designer will then **register** the product and receive a unique **product ID**. After doing so, the designer may apply the trademark to the product.

designer
individual / group

product description

design artifacts (files)

copyleft license

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user
consumer

OKEY: FFFF-0001

4. With the unique Ohanda key on the product the user will be linked back to the designer, the product description, design artifacts and the copyleft license through the web based service offered by Ohanda.

designer
individual / group

product description

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user
consumer & producer

4x freedoms

5. Empowered by the freedoms, user may develop the product further, register in as producer, share his/her design artifacts applied with copyleft license and be connected to the derivatives of the product.

OHANDA.ORG
OKEY: FFFF-0001

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registrant   product

http://FFFF-0001.ohanda.org

The service could be based on existing webservices like DNS in order to keep the system light and distributed.

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Model : 226BW [R]
Model Code : LS22MEWSFV/EDC

Color Display Unit
Type No : GH22WS | AC100-240V~ 50/60Hz 1.0A

Apparatet må kun tilkoples jordet stikkontakt
Apparaten skall anslutas till jordat uttag när den ansluts till ett nätverk
Laite on liitettävä suojamaadoituskoskettimilla varustettuun

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CE

OH&A
KEY: FFFF-0001

S/N: ME22HS3P300060K   Произведено н

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MANUFAC

The trademark and registration key is printed / engraved on each copy of the device so the link to the documentation and to the contributors travels with the physical device itself.

Who will own the trademark?

• existing, trusted & organisation like CC / FSF
• new organisation to be founded
• "share" / registrant = distributing ownership gradually

Next steps: Setting up a legal not-for profit entity for Ohanda and raising funds for registering the trademark.

RAVI   GISLE   SUSAN   JON   CHRIS   BENGT   TUOMO   JÜRGEN   DANIEL   JESSICA   BRIAN   ALEX

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