

## Product Novelty

- IP rights granted -

# Photonic Key

*combining different properties of the materials and molecules with security/identifications systems*

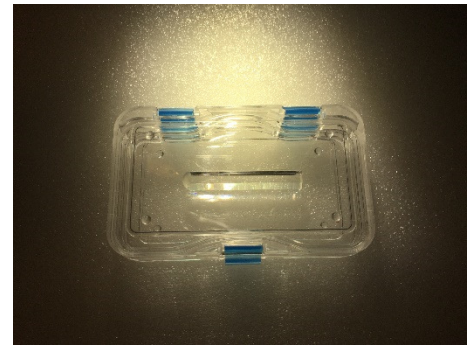
## Problem description:

Security and non-copyable keys are an issue today both in the field of valuable assets, such as houses, vaults but also in the field of software and data, such as data backups or in the field of blockchain technologies. Classical identifications approaches are based on electronic memories or mechanical systems.

## The new solution:

With this invention you increase the difficulty in copying a key so you increase the security of that. You also have a key where the information is not electrical so it is also safer in terms of electronic security and also in term of resistance to electromagnetic interferences or strong magnetic fields. This invention has also a relevant aspect in terms of design that is important for many markets.

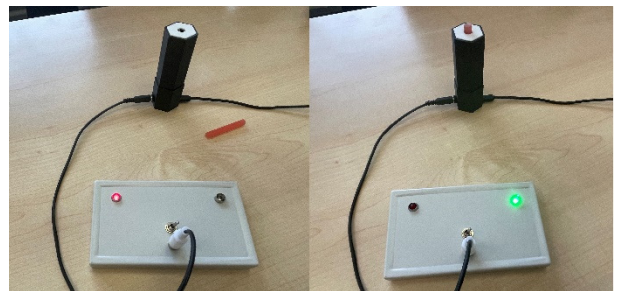
The invention consist in a „photonic key scanned by light“. Imagine to have a key that it is like a special crystal that was programmed with special molecules and procedure. This crystal can be scanned by a scanner and be used exactly like a key.



Prototype 1 of photonic key

## Special features:

- High amounts of combinations possible
- More ore less no limitation on design
- Highest Security
- Not copyable
- Unaffected by magnetic fields
- No cloud risk



Prototype 2 of photonic key (key orange part and scanner black part)

## Markets:

- Special locks like doors or safe
- Identification systems
- Blockchain and crypto technology

⇒ Innovation with unique selling points, patent protected!  
⇒ High customer benefit!

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