

LIGHTNOSIS

AUTONOMOUS VEHICLE TECHNOLOGY, CYBERSECURITY





Lightbee
visible light communication

AUTONOMOUS VEHICLE & CYBERSECURITY VS WIRELESS INTERFACES THREATS

Unlocking your dream car...

[August 20, 2015](#) | by [Pete Woodward](#)

As reported by MailOnline:

MailOnline

Hackers reveal flaw in over 100 cars kept secret by Volkswagen for TWO YEARS: Bug can be used to unlock everything from a Kia to a Lamborghini



‘Smart’ locks yield to simple hacker tricks

“Thieves target luxury Range Rovers with keyless locking systems”

Spate of thefts means some insurers now insisting on secure off-road parking and that drivers buy security devices

Radio frequency waves, the most used technology for wireless communication, can be sniffed, since when a message is emitted, it cannot be only sent to the listener.

LIGHTNOSIS: A SECURER VEHICLE CONTROL ACCESS WHICH REMOVES PREVENTIVE MAINTENANCE



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LIGHTNOSIS SOLUTION

- 1- Autonomous Garage Control Access
- 2- Preventive and automatic diagnosis
- 3- Car 2 Car communications



SYSTEM AND METHOD FOR THE ACCESS TO INFORMATION CONTAINED IN MOTOR VEHICLES

- 1-Patent pending nº14/772,822 USA
- 2- Patent pending nº 13710804.9 Europe

1

DIFFERENTIATION:
ADDITIONAL FEATURES, IOT
SOLUTIONS,
COMMUNICATIONS

2

OPTIMAL ROI:
ADDITIONAL HARDWARE AT A
NEGLECTIBLE COST

3

LOYALTY:
CONTINUOUS MARKETING OF
NEW UPGRADES

LIGHTNOSIS: HOW IT WORKS?

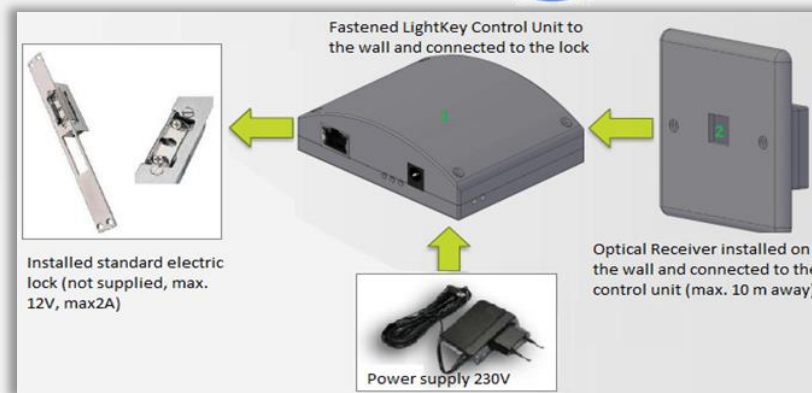


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CLOUD



1. API LICENSE IP NETWORK



1. MIDDLEWARE
2. OPTICAL RECEIVER

Led
Headlights



Signaling



1. OPTICAL EMITTERS/RECEIVERS
INTEGRATION
2. NEW FEATURES AND SERVICES
3. VERY LOW COST INTEGRATION

About LIGHTBEE

A solid background team in Visible Light Communications



Lightbee
visible light communication

Valeo

VIVA
TECHNOLOGY
CONNECT & GROW

30/06 AU 02/07 2016

200 speakers
international

5 000
start-up



Cisco + Pioneers
Innovation Challenge
2015 TOP 15



- 2016. Recognized Top Company among main VLC technology players
- Jul 2016. Granted by Horizon 2020 SME Phase 2. Lightkey
- June 2016: Selected by Valeo for Car Aftersales Market solutions Topic
- May 15: Top 15 IOT European Startup for Cisco EIR program, Vienna
- March 15: Horizon 2020 grants beneficiaries Phase I
- March 2013: Bronze E_innovation Award Hager Group CeBIT

References-Supporting Documents

Supporting documents are available upon request
Demonstrations are available by appointment

www.lightbeecorp.com

