

A Necessary Act of Global Responsibility

Why Releasing Light-Based Payment & Communication Technology Was the Right Move

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Technologies Covered:

- Encrypted Light-Based Communication System
- Encrypted Light-Based Offline Payment System

Context

This novel system enables secure, offline peer-to-peer communication and payments using nothing more than modulated light (e.g., smartphone flashlight) and camera-based receivers. It operates without RF, cellular, Wi-Fi, satellites, or banks.

Global Risk If Misused

Had this technology been developed and withheld for covert or malicious purposes, it could have:

- Enabled black market or terrorist financing with untraceable transactions
- Created untaxed, offline economies undermining global financial systems
- Allowed hostile actors to deploy invisible, unjammable comms systems
- Disrupted Visa, Mastercard, and SWIFT-dependent infrastructures
- Operated entirely outside of surveillance and regulatory reach

Why Public Disclosure Was Critical

By filing provisional patents and declaring open humanitarian use, this invention:

- Prevents monopolization or black-market control of the tech
- Establishes lawful commercial licensing rights to deter misuse
- Protects the public and invites oversight by regulators and researchers
- Equips governments and NGOs with a new offline resilience tool
- Promotes transparent innovation and global access for good

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Historical Precedent

As with the public release of RSA encryption in the 1970s (which safeguarded the internet from secret monopolies), this action ensures that light-based encrypted systems evolve as a tool of freedom and resilience, not a weapon of destabilization.

Conclusion

This is not just a new form of payment or messaging - it's a new communications layer for humanity.

Released not for profit, but for protection.

All commercial uses remain subject to license.

All peaceful and humanitarian uses are free and unrestricted.

Licensing Inquiries: Licensing@RobertAngus.org

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