
Blockchain in Intellectual Property Protection

Background

Blockchain is a technology with the ability to decentral and distribute information. It records encrypted information of the user's behavior. Blockchain has disintermediate, transparency, programmable, autonomous, immutable and anonymous essential features. The first application of blockchain is to develop cryptocurrency and a payment system, Bitcoin, which has overturned traditional concept of the currency model we knew. So far, blockchain has been widely applied in many territories, such as the intellectual property protection system, called the Blockai, which is a website using blockchain to overcome the plight of piracy in the United States.

Example

The Library of Congress in the United States found that it had been lack of efficiency for the copyright management. Blockai provided a solution for the Library. Authors will benefit from having proof of publication and copyright monitoring by registering with Blockai. The Blockai system securely timestamps copyright claims in the distributed database based on the Bitcoin protocol. For each copyright claim, a proof file is made available through the footer of the certificate and can be verified by authors using this open source proof verification tool, and it is free of charge for everyone. Although the "Proof of Publication" does not constitute admissible evidence in a trial, it is still credible in its technical features.

Conclusion

In Taiwan, there is still no copyright registering system. Before a copyright infringement suit may be filed in court, the burden of proof is on the copyright owner. For it is difficult for the copyright owner to provide a credible evidence in trial. We may consider using the experiences of other countries for our reference, developing the intellectual property protection system based on blockchain technology in order to help authors preserve their rights, and provide legal services as a legal technology.