

**Accord Project- Intellectual Property
Smart Legal Contracts: State of Play**

1. Contracts, Clauses, and Documents

- a. General
 - i. IP Assignment
 - ii. Employee Confidentiality and Proprietary Rights Agreement
- b. copyright
 - i. Copyright Acquisition Agreement
 - ii. Copyright Assignment
 - iii. Copyright license
 - iv. Release of Copyright Security Interest
 - v. Website Content License Agreement
- c. Patent
 - i. Patent Acquisition Agreement
 - ii. Patent Assignment Agreement
 - iii. Patent Notice (Cease and Desist) Letter
- d. Trademark
 - i. Domain Name Transfer Agreement
 - ii. Trademark Acquisition Agreement
 - iii. Trademark Assignment Agreement
 - iv. Trademark Infringement Cease and Desist Letter
- e. Software, Data and IT
 - i. End User License Agreement (EULA)
 - ii. OEM Software License Agreement
 - iii. Open Source Software Policy
 - iv. Software as a Service (SaaS) Agreement
 - v. Data as IP and Data License Agreements
 - vi. IT Outsourcing

2. Smart Contract Protocol

- a. [Accord Project proposal to Hyperledger for Cicero](#): “Abstract: We propose the creation of a top-level Hyperledger project to develop technology related to making executable legal contracts..

3. IP Players

4. Existing Legal, Operational, and Technical Issues

- a. automating digital rights management through incorporation of usage data

- into contract terms and remedial processes
- b. registration of the existence of certain IP, first use, and assignment history in a globally accessible database
- c. incorporation of data about subject matter, scope, and usage into IP licences
- d. automating the grant, refusal, termination, assignment, remedial actions, and sub-licensing of IP licenses
- e. incorporation of real-time data about infringement into representations and warranties and conditions
- f. orphaned works

5. Blockchain and Smart Contracts Implementations

- a. Startups and other Actual Implementations
 - i. [Ascribe.io](#) blockchain registry; Cryptographic Certificate of Authenticity (COA)
 - ii. [Xanadu](#)
 - 1. Hypertext system based on bi-directional links between content so that authors can monitor usage
 - iii. Whereonthe.net
 - iv. [Ujo Music](#) - smart contracts to disintermediate the music business
 - v. [Blinded](#) - "For every image in your copyright vault, we create a unique fingerprint saved permanently to the bitcoin blockchain."
 - vi. [Decent](#) - "Publish your content via decentralized DECENT Network, decide its price and share with the world!"
 - vii. [Creative Chain](#) - "We offer a public and transparent alternative to intellectual property registration using revolutionary distributed technology blockchain."
 - viii. [Po.et](#) - "a shared, universal ledger designed to track ownership and attribution for the world's digital creative assets."
 - ix. [Custos](#) - "We use imperceptible watermarking technology and the Bitcoin blockchain to protect digital media files from online piracy."
 - x. [Paperchain](#) - "Paperchain solves the problem of unpaid royalties in the music industry."
 - xi. [SingularDTV](#), a decentralized alternative to [Netflix](#).
 - xii. [Bernstein.io](#) - "To get a blockchain certificate for any document or a collection of documents, just upload it. Bernstein will craft a special blockchain transaction that contains both a cryptographic fingerprint of your IP assets and a proof of your ownership."
 - xiii. Copyright on the Blockchain? Collection Societies Team Up With

IBM to Prototype a New Rights Management System

b. Nonblockchain tech

- i. [Obvious patent visualization](#)

c. Potential Uses Cases

- i. automating licensing payment
- ii. Distributed ledger tracking of use of IP
- iii. IP registry
- iv. DRM and security
- v. DRM and sharing
- vi. Micropayments for content creators
- vii. Blockchain to issue verify status of a particular work
- viii. Automated licensing
- ix. Blockchain registration of public domain works (e.g., CC license)

6. Blockchain and Smart Contract Players and Initiatives

- a. [Blockchain Intellectual Property Council](#) (BIPC)
- b. [COALA IP](#): a blockchain-ready Intellectual property licensing protocol
 - i. [IP Spec](#): “an approach of representing intellectual property claims on distributed ledgers (or blockchains). It is an effort to transform the Linked Content Coalition (LCC)'s implementation-agnostic Rights Reference Model (RRM) into a free and open standard by outlining technologies that could be leveraged for an implementation. This document aims to represent the interests of all involved stakeholders: creators, rightsholders, distributors, consumers, developers, and so on”

7. Selected Publications

- a. [How Blockchains Can Support, Complement, or Supplement Intellectual Property](#), COALA