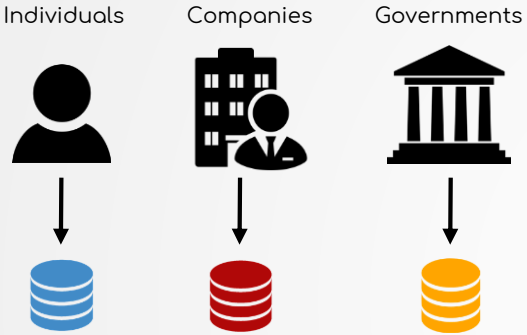
Use of **Blockchain** in Intellectual Property

Kadir Kurtuluş - April,2018

Blockchain; Distributed Ledger Technology



Everyone has separate databases

Each keeps data separately
Centralized
Deniable

Everyone has the same distributed ledger (database)

Keep data in a single block
Secure
Undeniable
Distributed
Peer to Peer

Use of Blockchain in IP

- Registration
- Tracking
- Asset Transfer
- Worldwide Database
- Peer to Peer payments in real-time to IP owners
- Proof of Existence - Proof of Ownership

+ more...

Smart Contracts

Licensing

Distribution

Rights Management

Distribution of Liability

All other IP contracts

TM ℗

190+
Trademark and
Patent Offices
+ Madrid-Wipo

Single Recognised
Blockchain
Ex: Bitcoin,Ethereum or another
one that is dedicated to this field

	Current System	Blockchain
Registration	Each keeps registration and all other data separately	Keep registration and all other data in a single block
Tracking	Each Tracks separately	Tracking in a single block, worldwide
Asset Transfer	Transferable - Only with pages of paper contracts	Transferable - in seconds with smart contracts
Worldwide Database	Unorganized and incompatible with other organisations	Very well organised in blockchain network
Security	Security Risks	Secure, distributed ledger technology; Blockchain
Speed	Too many bureaucracy for local and international applications	Real-time
Distribution & Payment	Contract base, bank payments over distributors	Real time Smart Contracts - Real-time Peer to Peer payments
Cost	Very expensive especially for international applications	Cost effective
Payments	Peer to Peer micro payments to owner is not available.	Peer to Peer micro payments to owner is available.

160+ Copyright Offices
+Bern Convention
Courts all around the world
Notaries all around the world

Single Recognised Blockchain
Ex: Bitcoin,Ethereum or another one that is dedicated to this field

	Current System	Blockchain
What They Do	Traditional Proof of Existence	Real-Time Proof of Existence
Registration	No registration, authorities keeps proof of existence data separate	Keep hash in an single block or a few public blockchain
Tracking	Each Tracks separately	Tracking opportunity available
Asset Transfer	Non Transferable - Only with pages of paper contracts	Transferable - Real-Time with smart contracts
Worldwide Database	Unorganized all over the World, Bern Convention without database	Very well organised in blockchain network
Security	Security Risks - Fraud Risk no genuine check	Secure, distributed ledger tech.; Blockchain - Proof of genuine
Speed	Too many bureaucracy for local and international applications	Real-time
Distribution & Payment	Contract base, Bern convention base contracts and bank payments over distributors	Real time Smart Contracts - Real-time Peer to Peer payments
Cost	No way for an international application. Very expensive because of distribution costs.	Cost effective, no distribution cost, peer to peer
Payments	Peer to Peer micro payments to creator is not available.	Peer to Peer micro payments to creator is available.

Which **Blockchain Protocol?**

- Legal?
  Not legal right now and it takes time
- Stability?
  Not stable
- Future?
  Don't know

Which Blockchain Protocol?

Public Blockchain

- Bitcoin, Ethereum, Litecoin or ?

Private Blockchain

- Ripple or ?

What is the best Practice?

- Best practice for now
- Best practice for future
- Stability

Lets see international awards winning use case;

Proofstack (Formerly Copyrobo)

Techcrunch	"...3 most promising blockchain..."	**NTV**	"...Rus Parlamentosun'da sunum..."
Reuters	"...special recognition in Dubai..."	**Milliyet**	"...Dünya Dijitl Kayıt Birliği..."
Inc.	"... copyright infiringement..."	**Sabah**	"... Anima İstanbul&Copyrobo..."

REUTERS · TechCrunch · Inc. · Bloomberg HT · NTV · Hürriyet com.tr · SABAH · Milliyet · COINTURK · webrazzi

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Thank You..

BLASEA
Blockchain Association of Eurasia

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