

IPwe

THE PLATFORM FOR THE
WORLD'S PATENT
ECOSYSTEM



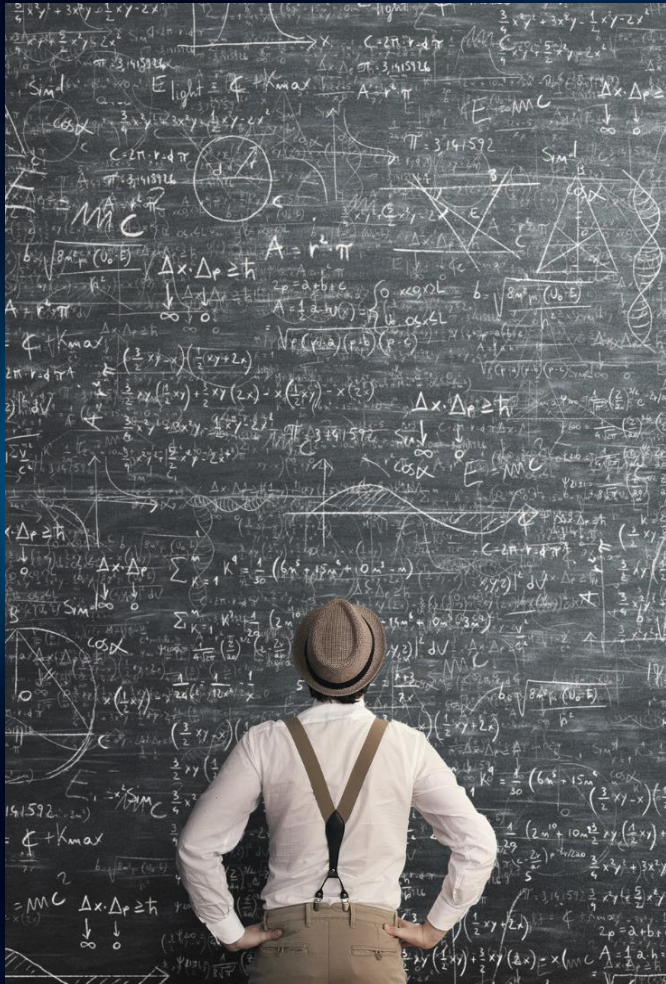
AI and Blockchain will Transform the IP Ecosystem

We believe AI and Blockchain will transform the IP Ecosystem and give rise to the Patent Asset Class

AI reduces the barriers to understanding critical aspects of patents

Blockchain facilitates the capture of key data and **reduces** transaction costs

AI and Blockchain will Transform the IP Ecosystem



Billions of dollars invested

A material percentage of intangible assets on most balance sheet

No agreed upon way to measure ROI

No performance metrics

Lack of transparency pitched as virtue

IPwe Analytics

In development since 2007

Investment of over **\$20MM**

Lead by a world class team

Over **\$2B** of fundings and financings

Over **\$500MM** of licensing revenues



Analytics

IPwe Analytics leverages the power of **artificial intelligence** to provide answers to basic and complex questions about patents. IPwe Analytics is made available **free of charge**. For business people analytics provides answers and for experts, IPwe Analytics provides details at whatever level necessary

IPwe Ownership

Built on IBM's Hyperledger

Brings transparency and basic information to the patent ecosystem free of charge

“Apps” sit on top of the GPR and make the patent ecosystem better



Ownership

The **Global Patent Registry (GPR)** is the world's first blockchain-enabled registry of the world's patents that provides full transparency in patent **identification** and **ownership**. The GPR is free of charge

IPwe Smart Contracts

Transactional efficiency

Reduces human resource requirements

Promotes standardization

Built in contract management



IPwe Smart Contracts are the first smart contracts designed and implemented on **Hyperledger** by the world's leading experts on patent transactions. The reality is that implementing smart contracts for patents requires a competence, experience, expertise and understanding in blockchain and patents that few possess and even fewer can implement

IPwe has built a real enterprise application using AI and IBM's Blockchain



Analytics



Buy/Sell



Financing



Insurance



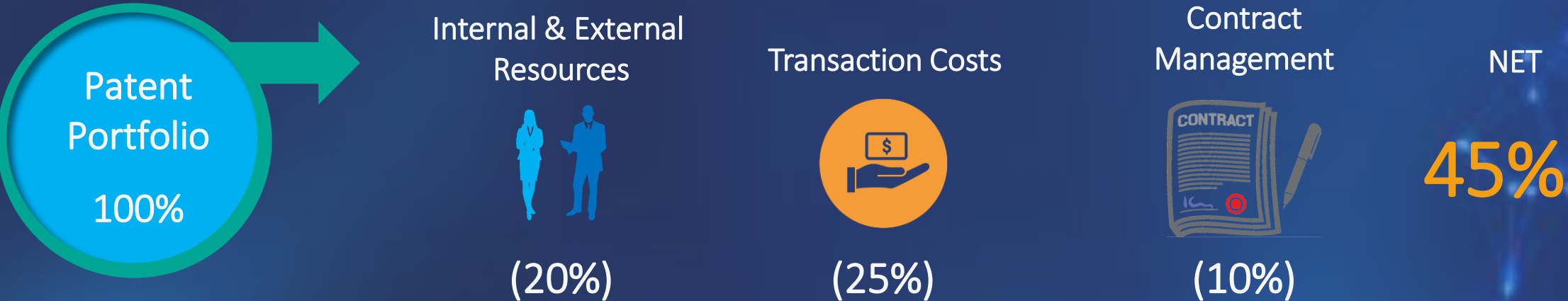
Licensing



Maintenance Fees



Current Cost to Transact



IPwe Platform



Benefits of the IPwe Platform



Lower cost



Information



Enhanced
returns

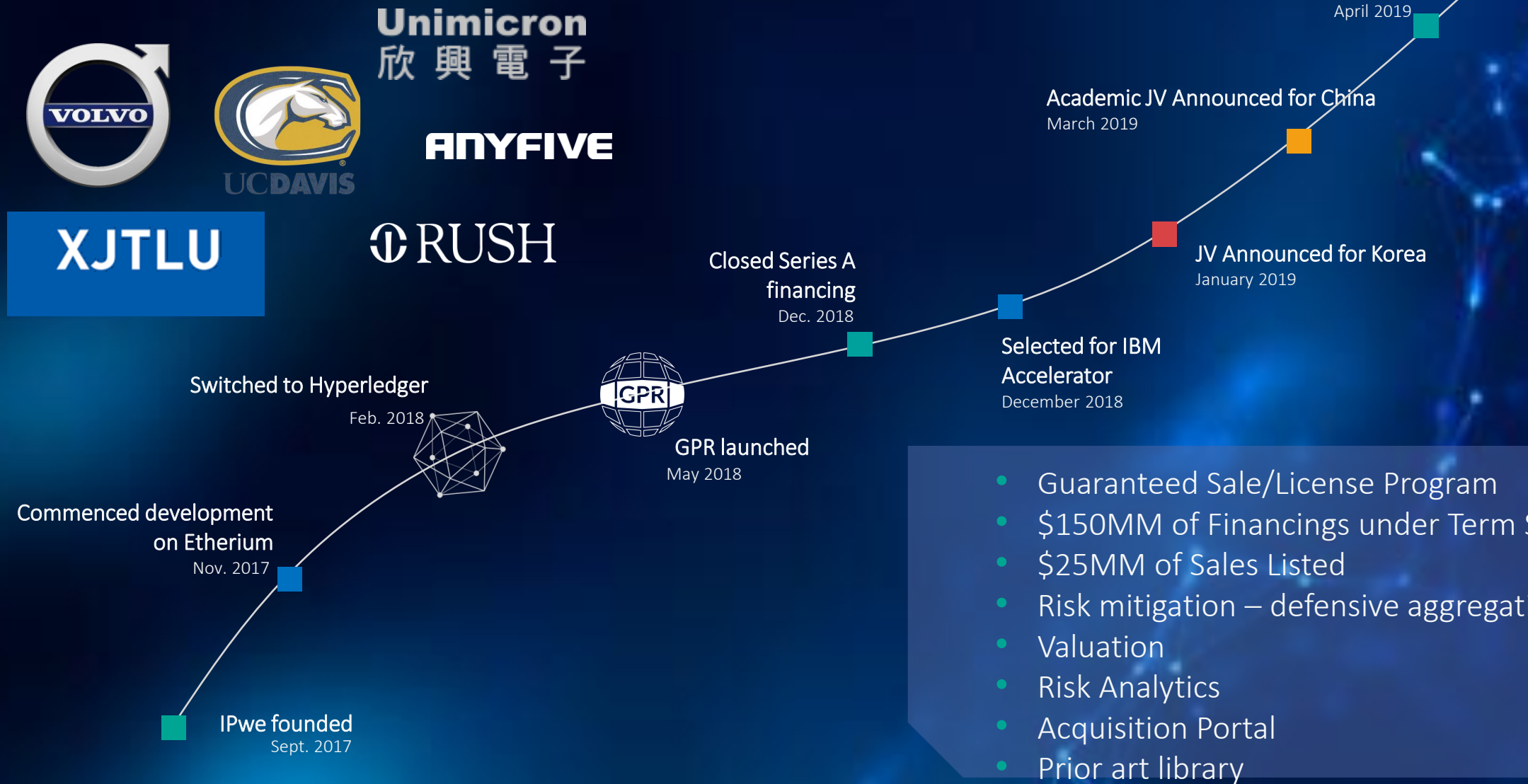


Transparency

**SOCIAL
IMPACT**



IPwe Timeline



- Guaranteed Sale/License Program
- \$150MM of Financings under Term Sheet
- \$25MM of Sales Listed
- Risk mitigation – defensive aggregation
- Valuation
- Risk Analytics
- Acquisition Portal
- Prior art library

IPwe Platform | Patent Sale



Patent Seller sells patents to Patent Acquirer



Patent Seller receives funds for the sale



Patent Offices receive the assignment information

The Global Patent Registry is updated



Smart Contracts governs:

- Identification of patents and title update
- Automatic execution, including payment and reversion on default
- Terms of agreement
- Whether any terms are made public



IPwe Platform provides:

- Update to Global Patent Registry
- Analysis
- Annuity Payment
- Title verification
- Reporting
- IPwe Smart contracts

IPwe Platform | Patent Licensing



Patent Owner licenses Licensees under selected patents



Patent Owner collects payment / royalties from Licensees



Licensing Smart contract governs:

- Identification of patents
- Automatic execution, including payment
- Terms of License
- Whether any terms are made public or not



IPwe Platform provides:

- Analysis
- IPwe Smart contracts
- Title verification
- Reporting
- Annuity payment
- Royalty administration
- Transactional support

IPwe Platform | Patent Financing



Patent Owner pledges patents to Lenders/Investors through a Special Purpose Vehicle (SPV); Patent Owner, through the SPV, repays the loan



SPV borrows funds from Investors/Lenders and loans money to Patent Owner



Patent Offices are informed about the pledge and release



Templum Markets organizes liquidity of the Smart Securities among Lenders/Investors



Smart contracts governs:

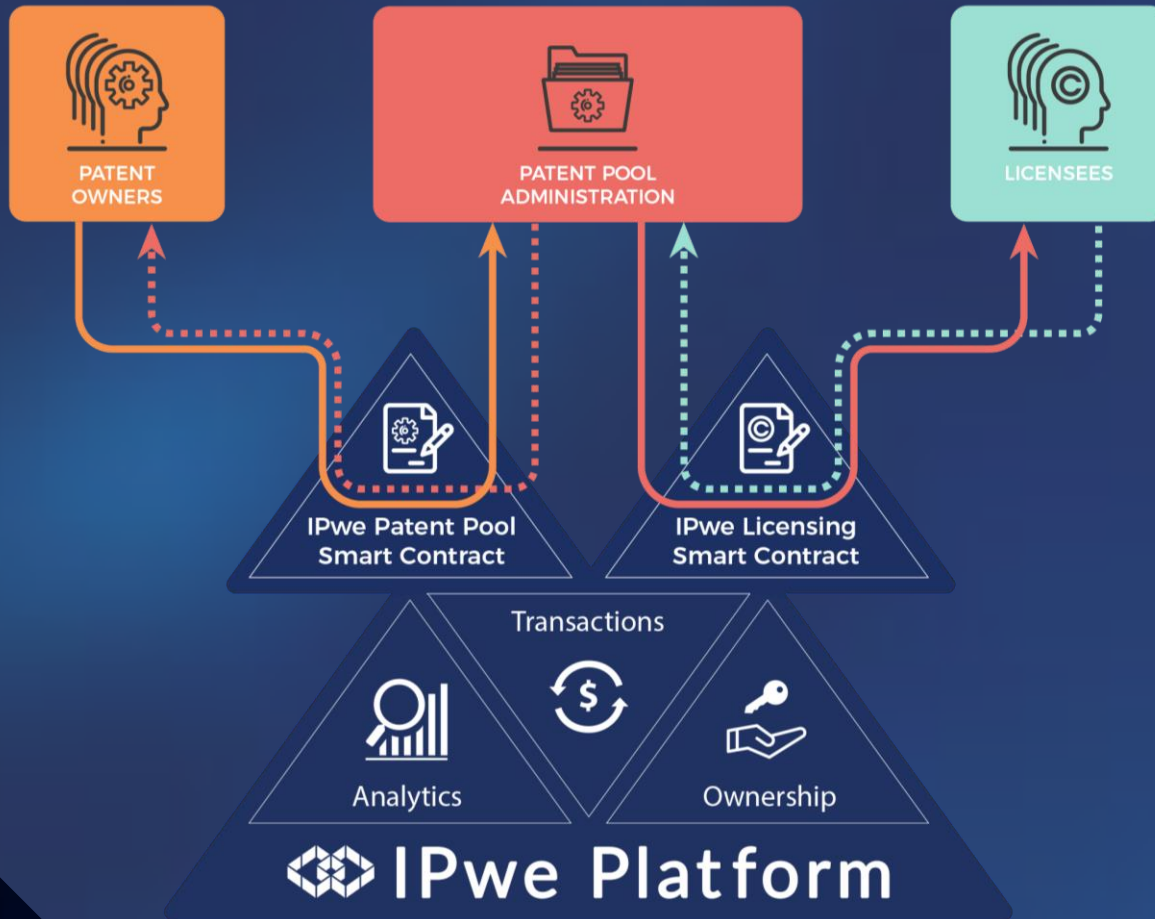
- Automatic execution, including payment
- Identification of patents and parties
- Terms of loan
- Smart Security holders' rights



IPwe Platform provides:

- Analysis/reporting
- IPwe Smart contracts
- Reporting
- Annuity payment
- Title verification
- Research
- Transactional support
- Portfolio management
- Licensing strategy
- Risk management solutions

IPwe Platform | Patent Pooling



Patent Owner gives licensing rights to Patent Pool Administration and sets terms



Patent Pool Administration grants licenses to Licensees, collects royalties and redistributes royalties to Patent Owners



Patent Pool Smart Contracts governs:

- Identification of patents and parties
- Terms of the license
- Revenue share among patent owners



Licensing Smart Contract governs:

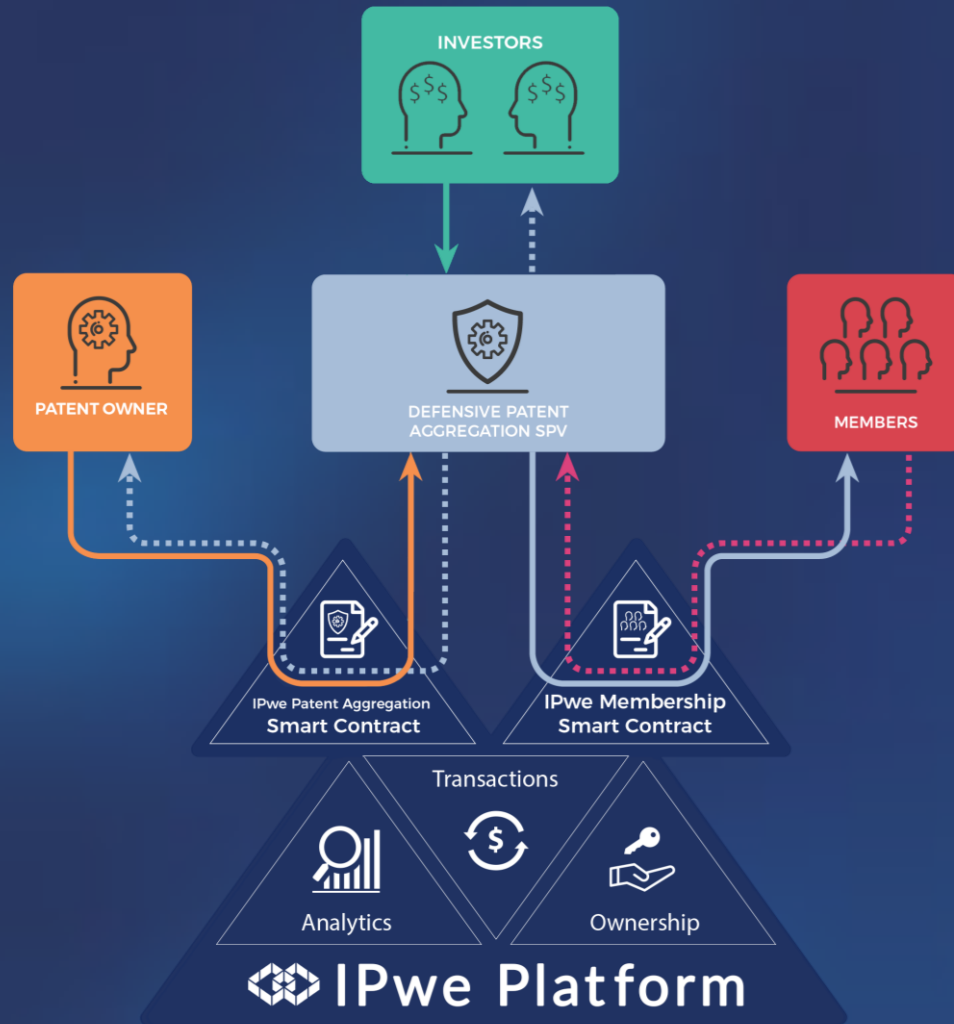
- Automatic execution, including payment
- Identification of patents and parties
- Terms of the license
- Whether any terms are made public or not



IPwe Platform provides:

- Analysis
- Future tokenization opportunity
- IPwe Smart Contracts
- Reporting
- Royalty administration
- Transactional support

IPwe Platform | Defense Patent Aggregation



Patent Owner sells patent or licensing rights to Defensive Patent Aggregation SPV



Defensive Patent Aggregation SPV grants licenses to Members, coordinates “catch & release” and collects membership fees and payments; coordinates with investors, if any



Patent Aggregation Smart Contract governs:

- Automatic execution, including payment
- Identification of patents and parties
- Terms of the patent sale or licensing rights



Membership Smart Contract governs:

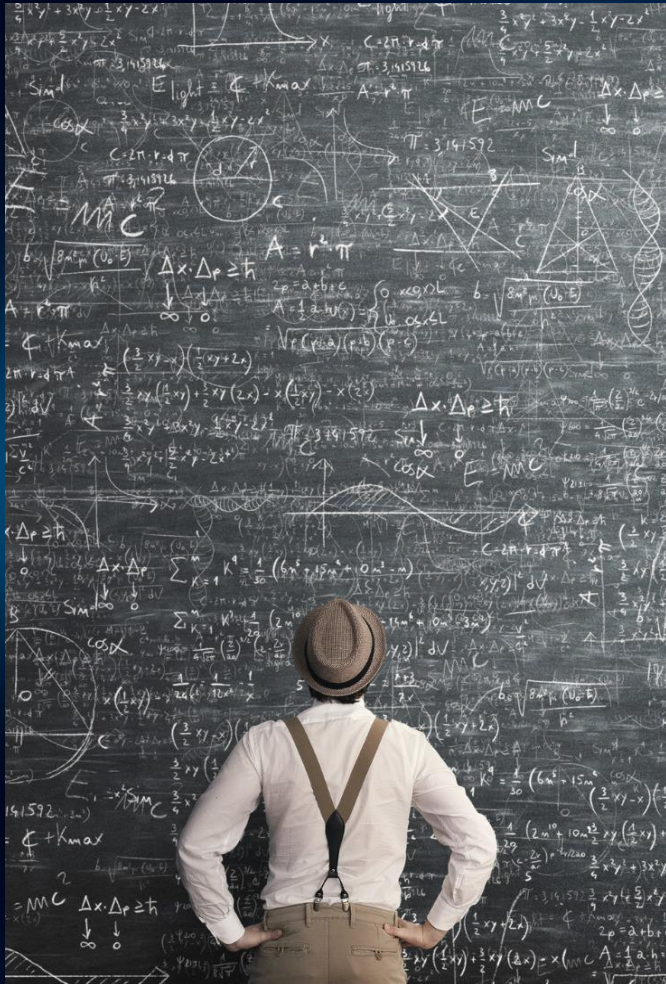
- Automatic execution, including payment
- Rights in SPV
- Terms of membership



IPwe Platform provides:

- Analysis
- IPwe Smart Contracts
- Reporting
- Royalty administration
- Transactional support

AI and Blockchain will Transform the IP Ecosystem—One Example is the Global Patent Registry



Why is there no single registry of the world's patents?

Is hiding innovation creating value for you or hurting you and the system?

If you make SEP, OSS or other commitments what do they mean if no one can track or confirm compliance?

Today, it's not about hiding the ball – its about promoting innovation

Ownership and Basic Information Available Free of Charge to Everyone

Built on Hyperledger

Brings transparency and basic information to the patent ecosystem free of charge

“Apps” sit on top of the GPR and make the patent ecosystem better



Ownership

The **Global Patent Registry (GPR)** is the world's first blockchain-enabled registry of the world's patents that provides full transparency in patent identification and ownership. The GPR is free of charge

Relevant Data with the Integrity Immutably Maintained

The **Global Patent Registry (GPR)** provides basic information like title and, when available, contains every record relevant to a particular patent along with a wealth of contextual information that may be offered by the owner, patent offices or the market

1

One place to obtain all relevant information needed



Eliminates the cost and expense and curious business models that have been built around the continual development of progressively bad data



Transferring or obtaining data no longer takes days or weeks – **it takes seconds**



Want to change from one service provider to another? **The data transfer process is no longer an impediment**

We hear many stories about how changing IPMS management system/annuity payment providers is difficult and used to maintain high pricing—the GPR eliminates this problem

1. Data verification and data cleansing requirements are eliminated
2. Load your data one time and you have a **free, immutable, up to date record of every case you own** – no data overhead, no conversion costs and you are no longer at the mercy of high priced intermediaries that add limited value
3. Control your intermediary interactions, leverage your position to encourage intermediaries to deliver high value services

Why Verify Your Patents on the GPR?

**Be part of the solution,
not the problem**



Transparency



Promote transparency – the patent system is based on disclosure, not hiding ownership

Profile



Increase your profile as an innovation leader

Publicize



Publicize your patent commitments (LOT, OSS, SEP,...) on an open, secure and immutable registry and allow others to verify these commitments

Identify



Let IPwe use our AI tools to help you identify ownership/title discrepancies as part of the GPR registration process – also free of charge

Opportunity



Make it easier for potential commercialization and development partners, buyers and licensees to find you and your patents to expand commercial and social opportunities

Truth



Help create the universal single source of truth of patent ownership, fixing the 30% assignment error inaccuracy rate at worldwide patent offices

The Future

The **Global Patent Registry (GPR)** will be transferred to a Swiss non-profit foundation once it reaches critical mass

- No one will own the GPR as it will be a fully-distributed application running on blockchain
- The GPR will continue to be free and accessible to anyone
- We anticipate in the future that the GPR will be utilized by the world's patent offices as a recognized title registry, permitting them to embrace more efficient means of recording and effecting title
- The foundation will work with patent offices to encourage them to transfer all patent records to the GPR
- Apps in development by independent third parties that will be enabled by the GPR
 - Maintenance fee payment
 - Commitment tracking (LOT, SEP, OSS, ...)
 - Other Apps that recognize the value is in the IP, not the service



IPwe is seeking to encourage leading corporate, university and patent office to participate in the founding of the Swiss foundation – leaders are welcome

Process to Verify on the GPR

Process (with support):

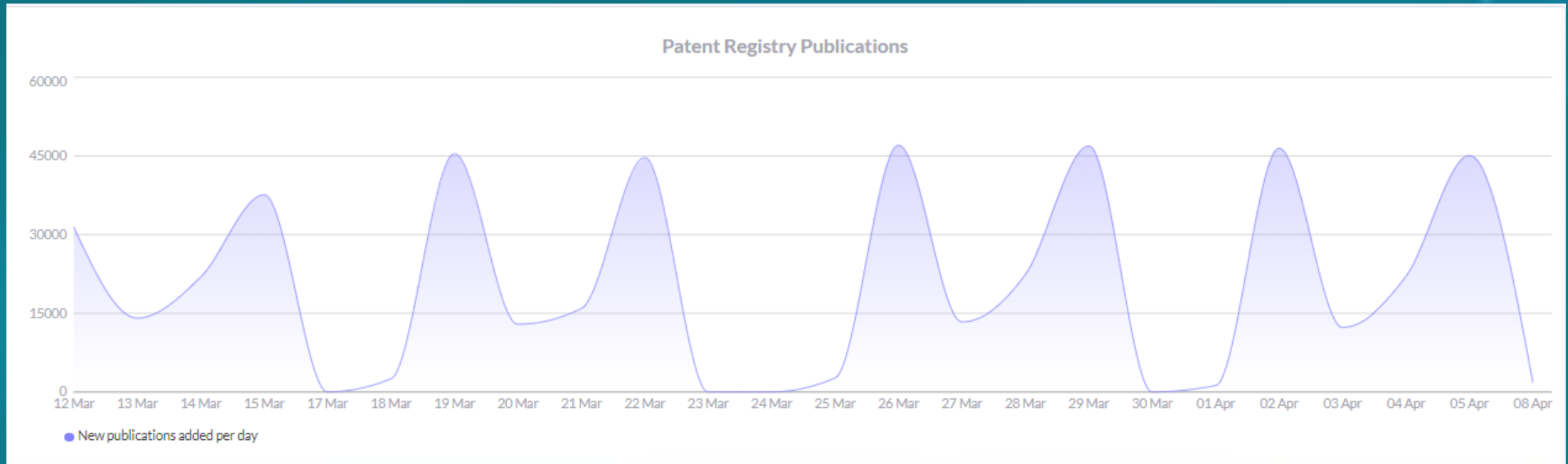
- Provide patent numbers (published grants/applications/any format) along with your name, company name, address and phone number to gpradmin@ipwe.com
- We will create your account, register your patents and contact you regarding any inconsistencies/anomalies and a list to review and verify
- Processing takes less than 48 hours



Do It Yourself:

- Upload your patent list and applications (must be published) in .CSV format at www.ipwe.com and select “Registry Your Patents”
- Provide required information (name, company name, address and phone number) and we will verify and contact you

IPwe Presents the Global Patent Registry – A Real World Blockchain Application that is Available Today



NATIONAL PATENT OFFICES 91	OWNER VERIFIED PUBLICATIONS 4,326	NATIONAL OFFICE VERIFIED PUBLICATIONS 29,597,382	UNREPORTED PUBLICATIONS 19,816,776	IPWE VERIFIED PUBLICATIONS 88,537,690
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<http://globalpatentregistry.io/>

Thanks.

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