

# **Global (Digital) Identifier Pilot using Blockchain**

**Agenda Item 9(b): Blockchain related activities by Offices  
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# Background – Name Standardization

- Name Standardization: CWS Task No. 55
- Survey on the Use of Identifiers for Applicants by IPOs
  - Conducted in Dec 2018 – March 2019 ([CWS/7/8](#))
  - 23 IPOs responded: 63% considered that a global identifier is a desirable solution to applicant name issues, 5% - No, 32% - Not sure
- [Workshop on Name Standardization](#)
- IP5 Application Name Standardization Initiative
- [R-CADE](#) (Repository for Common Access to Data Elements) for data owners
  - Applicant-driven and managed

# Background – Blockchain & Digital ID

- [Blockchain technologies and IP ecosystems: A WIPO white paper](#) : 13 potential use cases
  - Mock-up: Decentralized Identifiers
- Digital Identity gradually considered or accepted in countries and industries
  - [Decentralized Identifiers \(DIDs\), European Digital Identity](#)
- Blockchain-powered applications developed and used by the public and private sectors in IP ecosystem
  - Global Digital ID is a key for Blockchain based applications used in global IP ecosystem

# Business rationale

- Your IP is unique: what about your name?
- Demands to identify IP applicants and owners consistently, accurately and securely across IP systems and countries
  - IPOs/ IP industry have their own identity systems and practices: Not interoperable nor connected
  - Verifiable connections between IP and its owners
- Digital cross-border transactions and further automation
- More effective and seamless service experience, removing duplication, and making online transactions easier

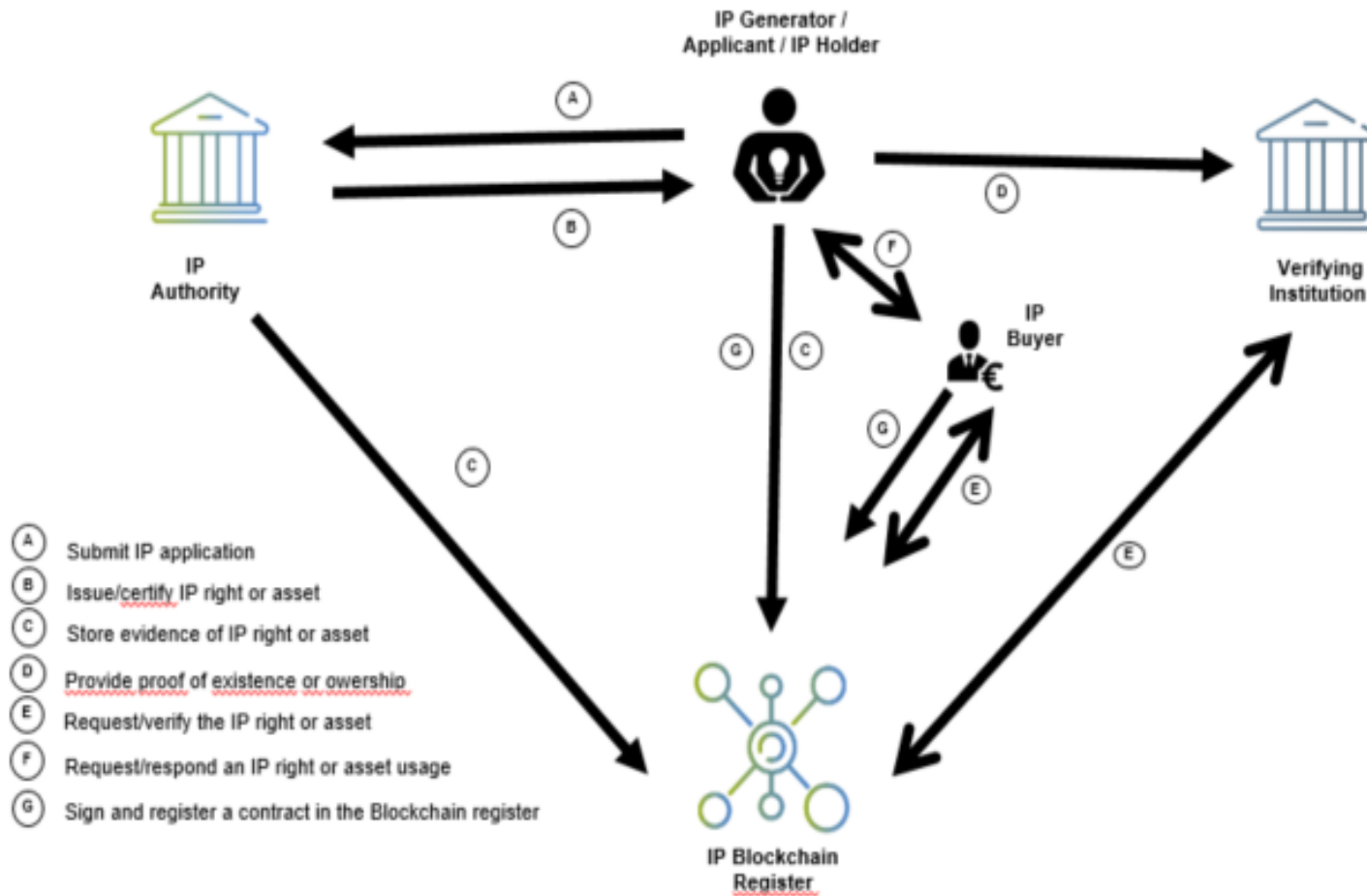
# Pilot Objectives

- Address the long outstanding issue on name standardization and digital identity in IP community
- Explore a feasibility of having global digital identity for individuals and entities in IP ecosystem to streamline IP journey leveraging blockchain
  - Identify challenges, in both business and IT aspects and potential solutions to overcome them
- Develop & test reference models of using blockchain technologies in the IP field, including governance models supporting international collaboration

# Some Challenges

- Connectivity with existing ID data
- Interoperability of digital Identity systems in different countries
- Legal validity and characterization of the types of proofs
- Collaboration and partnership
  - IP offices, other stakeholders, users, and public and private sectors
- How to link global digital IDs to existing IP data
- ...

# Overall Pilot Scope (1/2)



# Overall Pilot Scope (2/2)

- Identity proofing procedure:
  - Issue of a new ID to applicants and other users
  - Verification of IDs
  - Management of existing IDs
  
- Use cases of global ID related to IP journey
  - Pre-filing data such as lab notes
  - Filing patent application
  - Change of ownership of an IP right
  - IP owner licenses a patent



# Project Plan

- Two Phases & Timeframe (Tentative)
  - Phase 1: Business Analysis and Scoping
    - Dec 2022 – April 2023
  - Phase 2: IT Development and Testing
    - May – Nov 2023
- Project Team
  - International Bureau, IPOs, other stakeholders, Service providers
  - Experts from Business Operation, Legal and ICT Departments

# MVP\* - Phase 1

- Report on business impact analysis and detailed scoping
  - challenges & solutions, including regulatory issues
- Workflow and Data model including (data) governance
- Functional specifications including protocol and interoperability
- Technical specifications including recommendation on Blockchain technical stacks & platform

\* MVP: Minimum Viable Products

# MVP - Phase 2

- Detailed functional & technical specification for implementation
- Detailed blockchain specification upon chosen technologies and platform, including data & system architecture
- Pilot system, apps for mobile devices, blockchain network and node for partners
- Testing plan with partners and results
- Sandbox

Thanks for your  
attention and support

Q & A