Blockchain and Intellectual Property

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IP Australia
IP Australia
ACS report
Patent Activity

Source: Derwent Innovation, accessed June 2018
Patent Destination

- China: 1581
- United States: 951
- South Korea: 220
- Japan: 137
- Europe: 131
- Australia: 87
- Canada: 69
- India: 65
- Taiwan: 53
- Denmark: 36
- United Kingdom: 28
- Russia: 24
- Singapore: 23

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Patent Origin

Source: Derwent Innovation, accessed June 2018

Number of patent families and applicants

Number of patent families
Number of applicants

China
United States
South Korea
Japan
United Kingdom
Australia
Denmark
Canada
India
Israel
IP Australia Blockchain Overview

Blockchain Discovery

- Smart Trade Mark
- IPRx
- Enterprise Research
- Trust Badge
- Smart Trade Mark Platform
- IP Blockchain Value Add

Research and Development
- Alpha
- Beta
Smart Trade Mark
Mobile Apps
2 Mobile apps made up the experience layer of the service. The first app allowed for the recording of supply events then second app displayed product.

APIs
A Secure API allows the TM owner and their supply chain to leverage the trade mark to notarise events as the product moves from entity to entity.

Blockchain
The blockchain allows the immutable storage of the supply details such as the location, event type etc as well as TM details which a securely hashed then stored.
6 July 2018 – Items labelled and packed ready for distribution from Pialligo Estate, Canberra.

7 July 2018 – Package escorted through customs and product history recorded, Sydney.

7 July 2018 – Produce delivered to Little Farms, Singapore.

8 July 2018 – Produce delivered to Grand Hyatt, Singapore.
Proof of authenticity via the Smart Trade Mark was viewed as high value for participants.

Leveraging trade marks from government services gave consumers confidence in the products.

Both participants had experienced issues in supply including digital fraud, counterfeits and delays.

There is a large diversity of available supply chain application that TM holders are using/investigating.
Experience

Small enterprise can create Trust Badges via Online Services

Badges via Online Services

API Integration will provide users to create new opportunities to create and audit Smart Trade Marks.

Physical products can be verified by integrating the Smart Trade Mark URL onto the product.

A product ID such as a barcode number or global identifier can be linked to the smart trade mark.

A domain can linked to a smart trade mark.

The linked domains can be verified as associated to the TM.
This website uses IP Australia's Smart Trade Mark.

**Trade mark 849968**

**Status:** Registered: Renewal due  
**Priority date:** 12 Sep 2000  
**Class:** 9, 41  
**Owner:** The Crown in Right of the Commonwealth of Australia  
C/- IP Australia.

- Verified for use on ipa-smart-seal.s3-ap-southeast-2.amazonaws.com
- Trade mark verified on the blockchain

**Encrypted trade mark hash**

5336358232d43108c57db93b37396d4582  
033855594dfc8ee4b5a62496001b30  
80435bba
Delivery Pathway

1. ALPHA
   - IP Infringement
   - Blockchain Discovery

2. BETA (Closed)
   - Indigenous IP Protection
   - Industry Involvement

3. BETA (Open)
   - Government Collaboration

4. LIVE
   - Policy Consideration

Australian Government
IP Australia
Update on CWS Task Force

Key Milestones:

- Round 1 discussions and circular survey January 2019
- Task Force workshop and meeting held April/May 2019.
- Skeleton Standard and workplan Developed.
- WIPO Membership into ISO to leverage ISO TC307 for blockchain standard harmonisation.
- Development of first use cases.
Contact us

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