

TECH SCAN ANTICOUNTERFEIT

Anti-counterfeiting initiatives have garnered significant attention worldwide in recent times, with a growing recognition of their detrimental impact on industries and consumers alike. The vitality of combating this issue is being recognized by governments and organizations across the world, which has led to increasing emphasis on innovation and the implementation of Anti-counterfeit technologies.

From luxury goods to pharmaceuticals, counterfeiters undermine trust and jeopardize safety by exploiting vulnerabilities in supply chains and manufacturing processes. Innovations and developments are now being secured with filings for patents, spanning the spectrum of approaches such as unique labeling, tracking systems, authentication techniques, and comprehensive anti-counterfeit systems to protect goods and supply chains against fraudulent activity.

The world of Anti-counterfeit technology is rapidly evolving, and businesses must stay updated to outsmart sneaky counterfeiters. Through the issuance of patents, innovators and inventors can claim legal protection, maintaining the exclusivity of their Anti-counterfeit solutions and shielding them from unauthorized use. In addition, this protection serves as a boost for continued research and development in Anti-counterfeit technology, offering a potential return on investment in the fight against counterfeit practices.

TIMELINE



PATENTABLE ASPECTS

There are several elements in Anti-counterfeit Technology that could potentially qualify for patent protection. Frequently, the following domains are examined for patentability:

DIGITAL AUTHENTICATION

- Built-in Encryption
- Digital Blueprints
- Physical Fingerprints

ANTI-COUNTERFEIT PACKAGING

- Packaging Designs
- Transparent Plastic Container - Visual Check
- Paper Products - Authentication Code Incorporation into Fibrous Body
- Anti-counterfeit Labelled Textured Material
- Printed Packaging - Discernible Indicia for Authentication
- Environment-friendly Packaging Material
- Smart Packaging- Modules, Sensors, Memory Carrier

ANTI-COUNTERFEIT DETECTION

- E-Memory Element Mediated Tampering Detection
- Memory Chip Storing Pattern Identification Information
- Label Having Invisible Bar Code
- Anodic Aluminum Oxide - Invisible Ink

DATA PROTECTION

- Velocity System For Fraud
- Verification System
- Anti-Counterfeiting Tags

CANDIDATE AUTHENTICATION

- Remote Testing Station
- Biometric Identification
- Proctored Administrative Station

ANTI-COUNTERFEIT SECURITY DEVICE

- Birefringent Grating
- Waveguide Security Device
- Holograms & Pseudorandom Dot Patterns
- Two Security Elements
- Voucher Security System in Gaming
- Self-verifying Security Documents
- Based On Customized Microprism Film
- Micro-optic Security Device
- 3D Printing Technology

ANTI-COUNTERFEITING APPLICATIONS

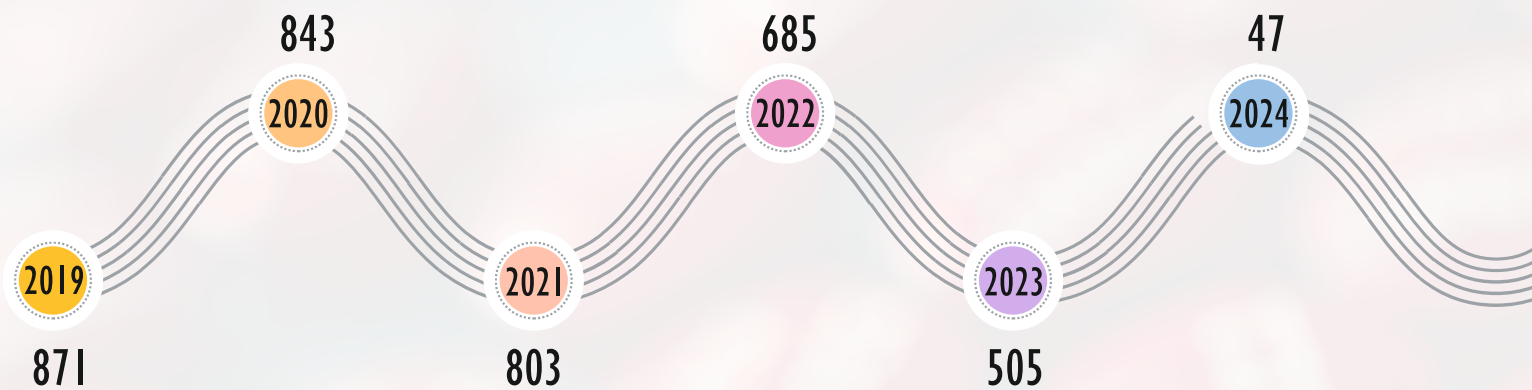
- Mobile Phones
- Portable Handheld Devices
- Offset Printing Press
- Sealing Device
- Digital Watermarking

BLOCKCHAIN BASED AUTHENTICATION

- Material Signature Blockchain
- Data Verification Method
- Supply Chain Management
- Merchandise Tracing Method

PATENT STATISTICS

WORLDWIDE PATENT FILING TIME-LINE

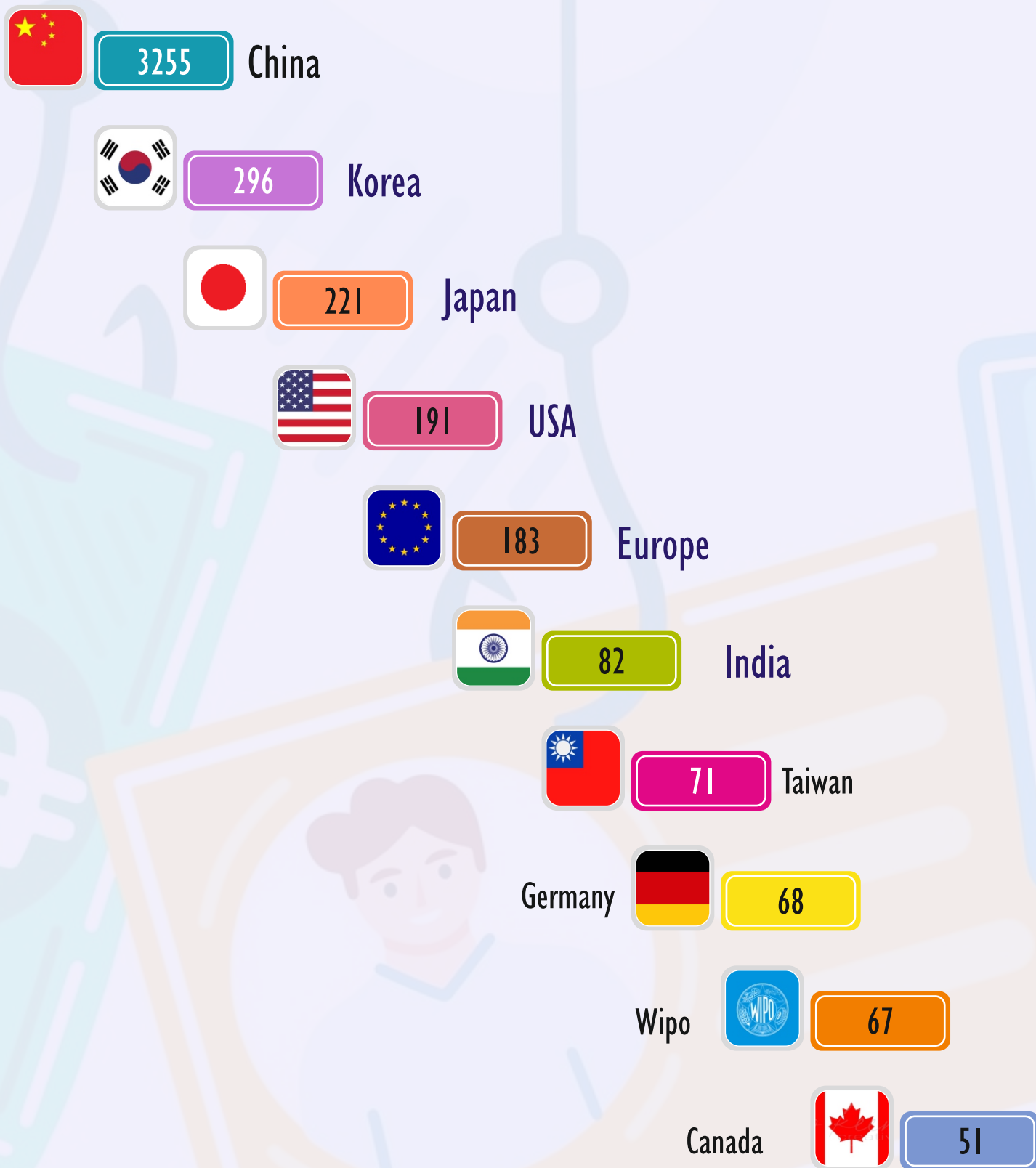


TOP APPLICANTS



Database: Questel, Orbit
Date Range: 01-01-2019 to 31-06-2024

PATENT LANDSCAPE



Database: Questel, Orbit
Date Range: 01-01-2019 to 31-06-2024

NOTABLE INVENTIONS

Patent Application	Priority Date	Title	Assignee
US4262632A	Apr 04, 1974	'Electronic Livestock Identification System	Avid Identification Systems Inc
GB1602084	Jun 06, 1977	Apparatus For Reading and Analyzing Bar Code Characters	IBM
EP0651554	Oct 29, 1993	Method and Apparatus for the Addition and Removal of Digital Watermarks in a Hierarchical Image Storage and Retrieval System	Eastman Kodak Co
CN1088431C	Feb 04, 1998	Anti-Counterfeit Structure of Passport and Method for Manufacturing the same	Uno Tadao
EPI374165	Mar 15, 2001	Surface Labelled Object and Method Thereof	Amesbury Trust, Dnatech Pty Ltd
US7006661B2	Oct 21, 2002	Digital Watermarking Systems and Methods	Digimarc Corp
US8925723	May 11, 2010	Package for Pharmaceutical Products	Essentra Packaging S.R.L
US20170354372A1	Aug 08, 2017	Smart Materials, Dry Textile Sensors, and Electronics Integration in Clothing, Bed Sheets, and Pillow Cases for Neurological, Cardiac And/or Pulmonary Monitoring	Nanowear Inc
US20180285810A1	Mar 29, 2018	Systems and Methods of Blockchain Transaction Recordation in a Food Supply Chain	Ripe Technology Inc
US20210119771	Oct 18, 2019	Systems and Methods for Providing Provenance and Anti-Counterfeiting of a Part using Blockchain Technology	Honeywell International Inc.

WHITESPACE

Smart Materials or Embedded Sensors for Tampering Detection

Local Random Image Transformation for Anti-counterfeit and Encryption

DNA Tags Sprayed, Stitched, or Embedded in Leather

Integration of DNA Storage and DNA Computing with Blockchain Technologies

Smart Sensors and RFID Tags for Real-time Product Monitoring

Polyfluorene Based Polymer with Green Fluorescence

DNA-Based Marking to High-value Goods

Unclonable Quantum Markers or Quantum Cryptography for Ultra-secure Product Tagging

AI Predicting Future Counterfeiting Hotspots

Perovskite Nanoparticles for High-Resolution Color Displays and Anti-counterfeiting

Diamond-Based Material for Fingerprint Authentication

Anti-Counterfeiting Security Seal

Integrating Biometric Authentication Features into Anti-counterfeit Measures, such as Fingerprints, Retinal Scans, or other Unique Human Characteristics

If you would like to learn more about any of these areas or have specific questions, we're here to provide further information and insights. Our team is dedicated to driving progress and staying at the forefront of Anticounterfeit Technology.

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