



Artificial Intelligence and Blockchain Technologies: Challenges and Opportunities

Nora Ho Tu Nam

IPvocate Africa

Artificial intelligence: Definitions

AI : technologies with the ability to perform tasks that would otherwise require human intelligence

Machine learning: teaching a computer program to identify patterns in data and to apply the knowledge to new data

Blockchain: a technology that enables a set of transactions to be recorded in a decentralised, secure and transparent manner, in the form of a block chain

Trade mark clearance



Name generator

Business Name Generator
generate a short, brandable business name using artificial intelligence

apple

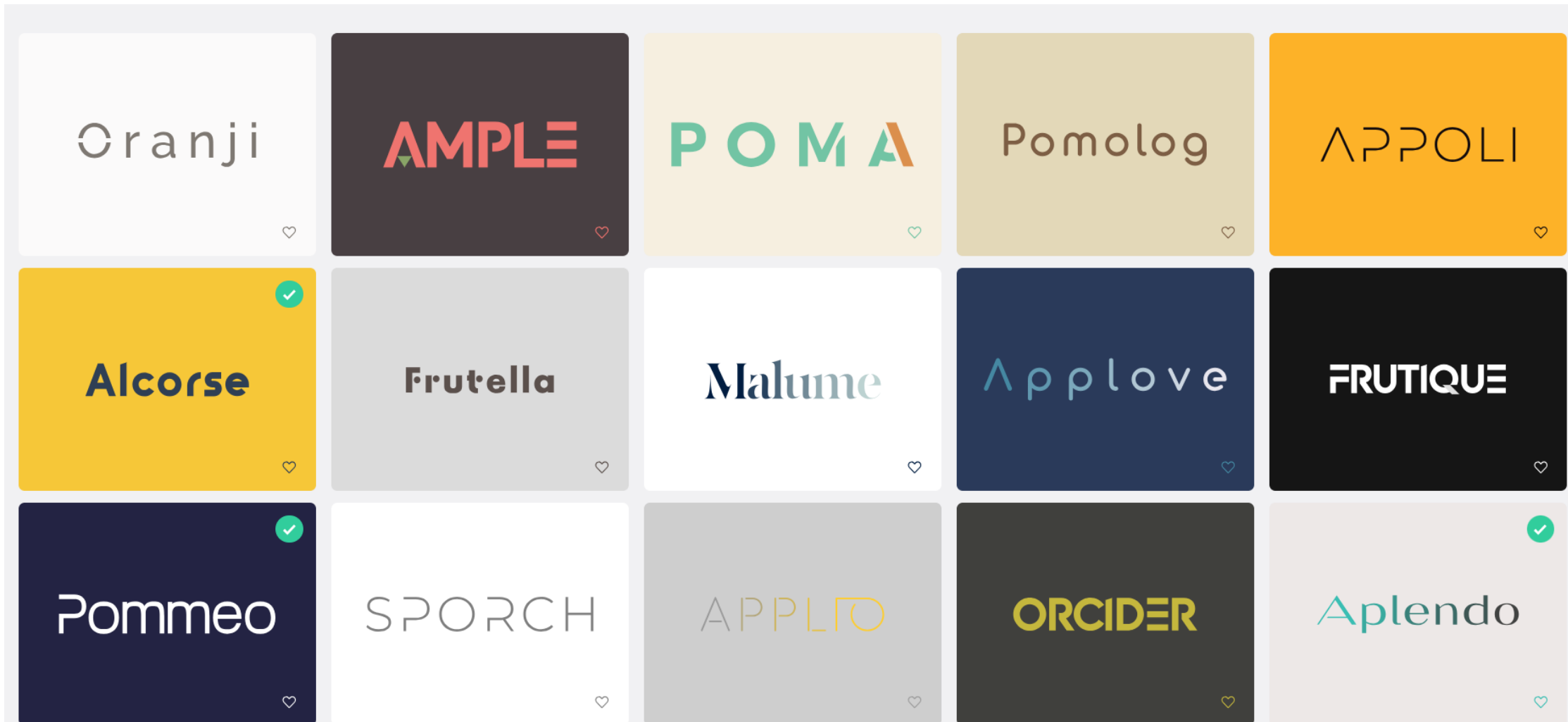
Generate

Name Style Randomness Brand Info

Select a name style

- Auto new
All styles
- Brandable names
like Google and Rolex
- Evocative
like RedBull and Forever21
- Short phrase
like Dollar shave club
- Compound words
like FedEx and Microsoft
- Alternate spelling
like Lyft and Fiverr
- Non-English words
like Toyota and Audi
- Real words
like Apple and Amazon

Next



Trade mark similarity

- Scoring of trade mark similarity



Text-based retrieval technology



Word splitting: identifying pieces of words as a human being would

Trade mark similarity



Image mark similarity

WIPO

Help

English



115181-Marius SCHNEIDER

Home > Global Brand Database > Search by Brand Logo

Global Brand Database

BRAND NAME BRAND LOGO ADVANCED SEARCH EXPLORE VIENNA ASSISTANT G&S EXPLORER REPORTS

To classify images with Vienna codes, you can use our AI-based tool [Vienna Classification Assistant](#).

Search



images.jpg (225 x 225)

Search strategy

- Conceptual similarity (determined by AI to match similar concepts)
- Shape similarity (similar lines with similar distribution - ignores colors)
- Color similarity (similar colors with similar distribution)
- Composite similarity (composite analysis based on color and edge information)

Vienna classification

US designs classification

Owner name

Feature

IP office

Designation country

Nice classification

Goods and services

To classify images with Vienna codes, you can use our AI-based tool [Vienna Classification Assistant](#).

Conceptual similarity for 

[Edit your search](#)

[TMview](#)

Displaying 1-60 of 61,809 results (Most relevant first)

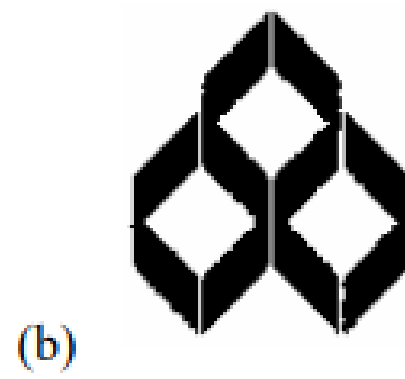
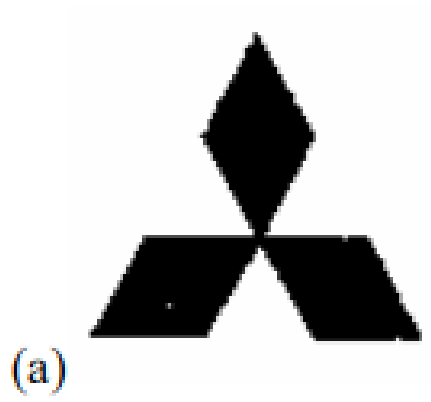
[Results view](#) [Statistics view](#)

[Change layout](#) [Sort results](#) [Results per page](#) [Download results](#)

Filters ↓

Select all



Trade mark similarity

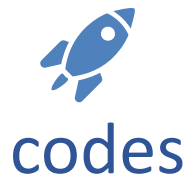


Image mark similarity : Algorithm will be able to designate Vienna

Vienna Classification Assistant - x +

vienna-assistant.branddb.wipo.int

Maintenance: WIPO IP Portal - Tuesday, September 3 from 18:00 to 20:00 (CET/CEST). The IP Portal Dashboard will not be available during this time. We apologize for any inconvenience.

WIPO

Help English IP Portal login

Home images.jpg

Document was last saved: Just now

CELESTIAL BODIES, NATURAL PHENOMENA, GEOGRAPHICAL MAPS

HUMAN BEINGS

ANIMALS

SUPERNATURAL, FABULOUS, FANTASTIC OR UNIDENTIFIABLE BEINGS

LANDSCAPES

CONSTRUCTIONS, STRUCTURES FOR ADVERTISEMENTS, GATES D...

FOODSTUFFS

TEXTILES, CLOTHING, SEWING ACCESSORIES, HEADWEAR, FOOTWEAR

TOBACCO, SMOKERS' REQUISITES, MATCHES, TRAVEL GOODS, FANS, TOIL...

HOUSEHOLD UTENSILS

FURNITURE, SANITARY INSTALLATIONS

LIGHTING, WIRELESS VALVES, HEATING, COOKING OR REFRIGERATING EQUIPME...

IRONMONGERY, TOOLS, LADDERS

MACHINERY, MOTORS, ENGINES

TELECOMMUNICATIONS, SOUND RECORDING OR REPRODUCTION,...

HOROLOGICAL INSTRUMENTS, JEWELRY, WEIGHTS AND MEASURES

TRANSPORT, EQUIPMENT FOR ANIMALS

CONTAINERS AND PACKING, REPRESENTATIONS OF MISCELLANEOUS PRODUCTS

WRITING, DRAWING OR PAINTING MATERIALS, OFFICE REQUISITES, STATIONERY,...

GAMES, TOYS, SPORTING ARTICLES, ROUNDABOUTS

MUSICAL INSTRUMENTS AND THEIR ACCESSORIES, MUSIC ACCESSORIES, BELLS,...

ARMS, AMMUNITION, ARMOUR

HERALDRY, COINS, EMBLEMS, SYMBOLS

ORNAMENTAL MOTIFS, SURFACES OR BACKGROUNDS WITH ORNAMENTS

GEOMETRICAL FIGURES AND SCULPTURE

FORMS OF WRITING, NUMERALS

INSCRIPTIONS IN VARIOUS CHARACTERS

COLOURS


Select suggested sections

or start a manual selection on the right.



Goods and Services



Recommend classes for goods and services

FAQ | Help | English (en) ▾
Classification Tools ▾ Classification Resources ▾ Translation Tools ▾My List: You have made no selection


Search term

Language: English (en) ▾ Search term: Search term (E.g. Milk) Nice Class: 1-45  HDB (Harmonised Database) 

[Browse terms](#)

Office Databases

<input type="checkbox"/> WIPO	<input type="checkbox"/> Antigua and Barbuda (ABIPCO)	<input type="checkbox"/> ARIPO	<input type="checkbox"/> Australia (IPA)	<input type="checkbox"/> Belize (BELIPO)	<input type="checkbox"/> Brunei (BRUIPO)	<input type="checkbox"/> Cambodia (DIP)
<input type="checkbox"/> Canada (CIPO - OPIC)	<input type="checkbox"/> Ghana (GHIPO)	<input type="checkbox"/> Iceland (ISIPO)	<input type="checkbox"/> India (CGPDTM)	<input type="checkbox"/> Israel (ILPO)	<input type="checkbox"/> Jordan (IPPD)	<input type="checkbox"/> Laos (DIP LAOS)
<input type="checkbox"/> Malaysia (MYIPO)	<input type="checkbox"/> Namibia (BIPA)	<input type="checkbox"/> New Zealand (IPONZ)	<input type="checkbox"/> OAPI	<input type="checkbox"/> Philippines (IPOP HL)	<input type="checkbox"/> Saint Kitts and Nevis (IPOSKN)	<input type="checkbox"/> Saint Lucia (ROCIP)
<input type="checkbox"/> Saint Vincent and the Grenadines (CIPO - VC)	<input type="checkbox"/> Tanzania (BRELA)	<input type="checkbox"/> The Gambia (GIPO)	<input type="checkbox"/> Trinidad and Tobago (TTIPO)	<input type="checkbox"/> Uganda (URSB)	<input type="checkbox"/> United States (USPTO)	<input type="checkbox"/> Zambia (PACRA)

[Advanced criteria](#) 

Welcome to TMclass

TMclass helps you to search for and classify Goods and Services (terms) needed to apply for trade mark protection. You can also translate a list of Goods and Services and verify if those terms appear in the classification databases of the Participating Offices highlighted below.

Trade mark examination

- Assessment of legal requirements
- Image searching
- Goods and services description, classification tools
- Tool to forecast the likely outcome of any particular application

Trade mark examination and beyond

- Recordals: change of address, name...
- Chatbots: response to customer's inquiries

Figure One: use of AI-assisted technology, by organisation type

	In-house legal dept	Law firm	Grand total
Legal research	32.3%	25.0%	27.2%
Due diligence	12.1%	18.2%	16.4%
eDiscovery / eDisclosure / technology assisted review	13.1%	14.0%	13.3%
Regulatory compliance	10.1%	12.3%	11.6%
Contract analysis	8.1%	10.2%	9.6%
Other	10.1%	5.1%	7.1%
Fee-earner utilisation analytics and / or predictive billing	2.0%	10.2%	7.9%
Predictive analytics for litigation	1.0%	2.1%	2.0%
Other	In-house legal dept	Law firm	Grand total
18	19	236	353

*'Grand total' includes all complete responses, including from respondents working at ABS and legal technology solutions providers.

Source: Sako, Armour, and Parnham (2020)

Source: AI-assisted lawtech: its impact on law firms - University of Oxford

Refine Search New Search Insights Share Set alert Save results Save search

PDF Send us feedback Query details

120 case(s) - 124 document(s) match your query - 0 document(s) selected



Note: the results contain examiners' ex officio refusals

Country and court breakdown Breakdown by year

Show all documents

Country and court breakdown

Please note that for some points of law, the statistics below are only based on the discussions of those points of law which we considered relevant to practitioners. (Similar / Different)

Country / Court	Similar	Different	Documents
All	40%	60%	124 Documents
Europe	40%	60%	124 Documents
European Institut...	33%	67%	52 Documents
France	17%	83%	38 Documents
Germany	100%	0%	7 Documents
Norway	100%	0%	5 Documents
Spain	25%	75%	4 Documents
Sweden	100%	0%	4 Documents
Turkey	66%	34%	3 Documents
Italy	50%	50%	2 Documents

Case name Parties

Document date

Intersnack Group vs ATLAS Concept

First action type

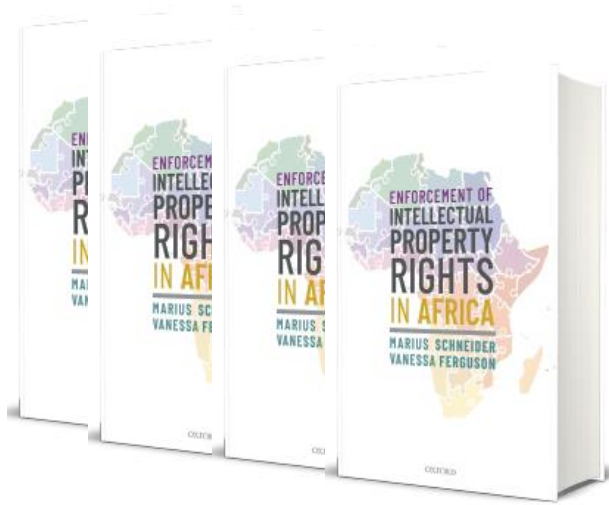
Points of law Decision outcomes Available languages

Opposition Action

Comparison of milk and chocolate across EUROPE

Blockchain

- Self-executing smart contracts
- Evidence of ownership
- Enforcement of IP rights



Any questions?



Nora HO TU NAM

IPvocate Africa Legal Advisers

E-mail: anticounterfeiting@ipvocateafrica.com

T: (+230) 466 8183