

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 April 2022 (07.04.2022)



(10) International Publication Number
WO 2022/072536 A1

(51) International Patent Classification:
G06F 21/10 (2013.01) *H04N 21/25* (2011.01)
G06F 21/60 (2013.01)

(21) International Application Number:
PCT/US2021/052705

(22) International Filing Date:
29 September 2021 (29.09.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/198,132 30 September 2020 (30.09.2020) US
63/162,426 17 March 2021 (17.03.2021) US
63/193,543 26 May 2021 (26.05.2021) US
17/489,369 29 September 2021 (29.09.2021) US

(72) Inventor; and

(71) Applicant: **HOD, Zohar** [US/US]; 226 Pine St., Haworth,
NJ 07641 (US).

(74) Agent: **OLIVO, John, W. Jr.**; 9440 Santa Monica Blvd.,
Ste 301, Beverly Hills, CA 90210 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,
NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,

(54) Title: METHOD AND APPARATUS FOR AUTOMATED DIGITAL RIGHTS ENFORCEMENT AND MANAGEMENT
METHODS

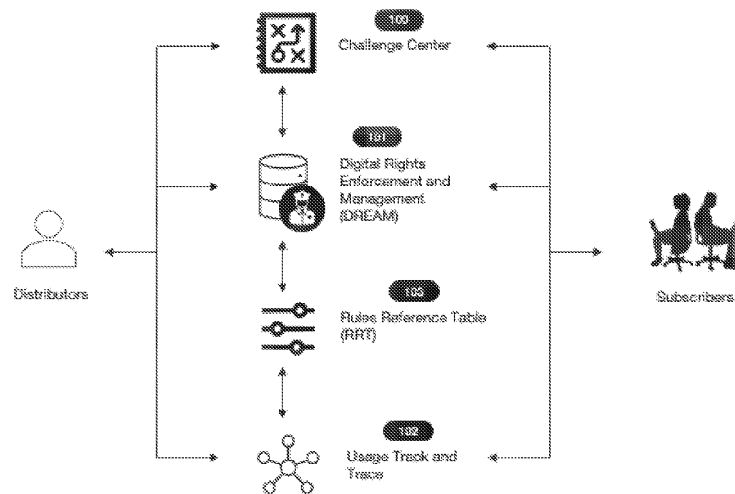


Figure 1

(57) **Abstract:** Methods and apparatus for secure data digital rights processing, distribution, and monetization through the use of Smart Contracts as input to a machine learning module (MLM) to manage and enforce digital rights across multiple ecosystems. One embodiment of the invention includes a digital data rights server configured to communicate with a distributed ledger technology (DLT) or a centralized database (DB). In addition, a Smart Contract layer may integrate on top of the DB API and be responsible for the sole control of the owner's digital data rights. The Smart Contract layer is configured to track party's privity to the data, the legal rights and obligations of such parties, the value of the digital rights data, and the automatic provisioning of digital rights data based on the rules set in advance by the digital rights data owner as digital rights data moves to the next generation of digital rights data subscriber.

[Continued on next page]



WO 2022/072536 A1

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report (Art. 21(3))*
— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))*