

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
22 May 2025 (22.05.2025)



(10) International Publication Number
WO 2025/106612 A1

(51) International Patent Classification:
G06Q 10/06 (2023.01)

(21) International Application Number:
PCT/US2024/055825

(22) International Filing Date:
14 November 2024 (14.11.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/600,131 17 November 2023 (17.11.2023) US

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(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, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,

(54) Title: TRACKING MATERIAL GENEALOGY

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FIG. 1

Material Genealogy Report			
Material Number	Batch Identifier	Quantity	Unit
A ₁	B ₁	10	KG
A ₁	B ₂	20	KG
A ₂	B ₃	30	KG
A ₂	B ₄	10	KG
A ₃	B ₅	20	KG
A ₃	B ₆	30	KG
A ₄	B ₇	45	KG
A ₄	B ₈	30	KG
Total		195	KG

(57) Abstract: A method for generating a report comprising genealogy information of manufacturing materials used to manufacture a product manufactured via a manufacturing process comprising a plurality of steps. Each respective step comprises a continuous sub-process. For each step, performing: receiving data indicating a plurality of characteristics associated with the continuous sub-process of the respective step, inputting the data into a computational sub-model, and receiving an intermediate record indicating genealogy information of at least some of the manufacturing materials after completion of the continuous sub-process of the respective step as output. Generating, based on at least the intermediate record of a last step, the report comprising the genealogy information of the manufacturing materials used to manufacture the product after completion of the plurality of steps. The genealogy information of the report comprises at least one manufacturing parameter of each material present in the product after completion of the plurality of steps.

[Continued on next page]

MA, MD, MG, MK, MN, MU, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
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