



(51) International Patent Classification:

C08L 75/04 (2006.01) C08J 9/36 (2006.01)  
C08G 77/04 (2006.01) C08L 75/02 (2006.01)

(21) International Application Number:

PCT/US2022/078834

(22) International Filing Date:

28 October 2022 (28.10.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202123049643 29 October 2021 (29.10.2021) IN

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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, MA, MD, 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, CV,  
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, 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 the identity of the inventor (Rule 4.17(i))
- 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))

(54) Title: A POLYMER COMPOSITION AND PROCESS FOR COATING WOODEN PALLET WITH THE POLYMER COM-  
POSITION

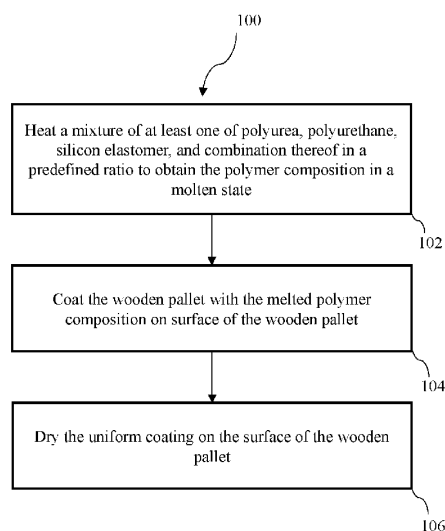


FIG. 1

(57) Abstract: A polymer composition for coating wooden pallet is provided. The polymer composition includes a mixture of at least one of polyurea, polyurethane, silicon elastomer, and combination thereof in a predefined ratio. The polymer composition imparts desired properties such as high impact and abrasion resistance, elongation strength, and anti-static property along with flexural strength to the wooden pallet. The present invention also provides the process for coating the polymer composition onto the wooden pallet. The matrix coating process provides much stronger bonding due to overlap of coating of the polymer composition on the sides of the wooden pallet and reduces the wastage of the polymer composition during the coating of the wooden pallet. The present invention also provides the wooden pallet coated with the polymer composition. The wooden pallet coated with the polymer composition possesses the properties such as high impact resistance, abrasion resistance, and anti-static property.

**Published:**

— with international search report (Art. 21(3))