

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 January 2025 (09.01.2025)



(10) International Publication Number
WO 2025/008495 A1

(51) International Patent Classification:

B32B 27/32 (2006.01) *B32B 27/08* (2006.01)
B32B 7/02 (2019.01) *B32B 27/10* (2006.01)
B32B 7/027 (2019.01) *B32B 29/00* (2006.01)
B32B 7/12 (2006.01) *B32B 29/06* (2006.01)

(21) International Application Number:

PCT/EP2024/068958

(22) International Filing Date:

04 July 2024 (04.07.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202310819765.7 05 July 2023 (05.07.2023) CN

(71) Applicant (for CN only): **SIG COMBIBLOC (SUZHOU)**

CO. LTD. [CN/CN]; No.18 Wangjiang Road, No. 399
Xinglong Street, Suzhou Industrial Park, Suzhou, Jiangsu
215126 (CN).

(71) Applicant (for all designated States except CN):

SIG SERVICES AG [CH/CH]; Laufengasse 18, 8212
Neuhausen am Rheinfall (CH).

(72) Inventors: **ZHU, Xiangyang**; No.18 Wangjiang Road,

No. 399 Xinglong Street, Suzhou Industrial Park,
Suzhou, Jiangsu 215126 (CN). **HUANG, Baofeng**; No.18
Wangjiang Road, No. 399 Xinglong Street, Suzhou Indus-
trial Park, Suzhou, Jiangsu 215126 (CN). **LIU, Zhaoyuan**;
No.18 Wangjiang Road, No. 399 Xinglong Street, Suzhou
Industrial Park, Suzhou, Jiangsu 215126 (CN). **HU, Qion-
gen**; No.18 Wangjiang Road, No. 399 Xinglong Street,
Suzhou Industrial Park, Suzhou, Jiangsu 215126 (CN).

(74) Agent: **HERZOG IP PATENTANWALTS GMBH**; Ste-

instraÙe 16-18, 40212 Düsseldorf (DE).

(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, 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).

Published:

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

(54) Title: COMPOSITE SHEET FOR PACKAGE, METHOD OF PREPARING THE SAME, SLEEVE, AND PACKAGE CON-
TAINER

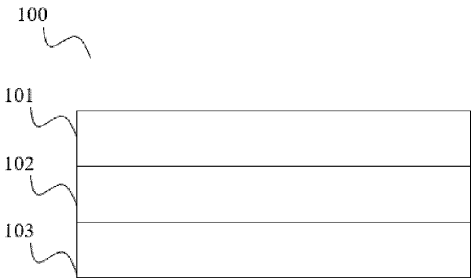


FIG. 1

(57) Abstract: Disclosed is a composite sheet for package com-
prising an outer layer, an intermediate layer, and an inner layer
sequentially stacked in a first direction, wherein the inner layer
comprises a first LDPE with a melt flow index of 3.5-7.5 g/10
min (190°C, 2.16 kg). Further disclosed a method for producing a
composite sheet for package, a sleeve, and a package container.

WO 2025/008495 A1