

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
19 October 2023 (19.10.2023)



(10) International Publication Number
WO 2023/198589 A1

(51) International Patent Classification:

C08F 8/46 (2006.01) C08F 4/14 (2006.01)

C08F 10/10 (2006.01)

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(21) International Application Number:

PCT/EP2023/059137

(22) International Filing Date:

06 April 2023 (06.04.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

22168477.2 14 April 2022 (14.04.2022) EP

(71) Applicant: **BASF SE** [DE/DE]; Carl-Bosch-Strasse 38,
67056 Ludwigshafen Am Rhein (DE).

(72) Inventors: **LEDERHOSE, Paul**; Carl-Bosch-Straße 38,
67056 Ludwigshafen am Rhein (DE). **WETTLING,**
Thomas; Carl-Bosch-Straße 38, 67056 Ludwigshafen am
Rhein (DE). **BRYM, Markus**; Carl-Bosch-Straße 38,
67056 Ludwigshafen am Rhein (DE). **PIERRE, Bernard**;
Scheldelaan 600, 2040 Antwerpen (BE). **LAM, Dao-Khak**;
Carl-Bosch-Straße 38, 67056 Ludwigshafen am Rhein
(DE).

(74) Agent: **BASF IP ASSOCIATION**; BASF SE GBI - C006,
67056 Ludwigshafen (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).

(54) Title: PROCESS FOR MANUFACTURING OF POLYISOBUTENE SUCCINIC ANHYDRIDES

(57) Abstract: The present invention concerns a process for manufacturing polyisobutene succinic anhydrides from certain polyisobutene mixtures.

WO 2023/198589 A1