

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
28 October 2021 (28.10.2021)



(10) International Publication Number
WO 2021/213968 A1

(51) International Patent Classification:
B01D 3/40 (2006.01)

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

(21) International Application Number:
PCT/EP2021/060059

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

(22) International Filing Date:
19 April 2021 (19.04.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20171367.4 24 April 2020 (24.04.2020) EP

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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, 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: SEPARATING HYDROCARBONS WITH DIHYDROLEVOGLUCOSENONE OR A DERIVATIVE OF DIHY-
DROLEVOGLUCOSENONE AS A SOLVENT

(57) Abstract: The present invention provides a process for separating unsaturated hydrocarbons from a mixture of saturated and unsaturated hydrocarbons, which process comprises the steps of (a) contacting the mixture with a solvent; (b) allowing to form two phases in equilibrium, a first phase comprising solvent and unsaturated hydrocarbons and a second phase comprising the remainder of the mixture; (c) removing the phases separately; and (d) removing from at least one of the phases the hydrocarbons to obtain at least one product stream and regenerated solvent for use in step (a), wherein the solvent comprises dihydrolevoglucosenone or a derivative of dihydrolevoglucosenone.



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