

(12) International Application Status Report

Received at International Bureau: 07 March 2018 (07.03.2018)

Information valid as of: 16 January 2019 (16.01.2019)

Report generated on: 16 July 2019 (16.07.2019)

(10) Publication number:

WO2019/025875

(43) Publication date:

07 February 2019 (07.02.2019)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/IB2018/051462

(22) Filing Date:

07 March 2018 (07.03.2018)

(25) Filing language:

English (EN)

(31) Priority number(s):

62/538,710 (US)

(31) Priority date(s):

30 July 2017 (30.07.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

C08B 37/00 (2006.01)

(71) Applicant(s):

SHALBAFAN, Ali [IR/IR]; No. 198, Nayeb Hossein Aly., Bazar Razavieh, Azar St. Ghom 3714786577 (IR) *(for all designated states)*

(72) Inventor(s):

SHALBAFAN, Ali; No. 198, Nayeb Hossein Aly., Bazar Razavieh, Azar St. Ghom 3714786577 (IR)

HASSANNEJAD, Hedi; No. 1, Siser Village Sardasht 5969164467 (IR)

RAHMANINIA, Mehdi; No. 112, Shahid Nasiri St., Ayatollah Khomeini Blvd. Noor 4641814599 (IR)

(74) Agent(s):

IDESAZAN ASR AFTAB; Unit 7, Pardis building, Behboudi St., Sattarkhan Tehran (IR)

(54) Title (EN): CHITOSAN-BASED FORMALDEHYDE SCAVENGER AND APPLICATIONS THEREOF IN WOOD-BASED PRODUCTS

(54) Title (FR): PIÉGEUR DE FORMALDÉHYDE À BASE DE CHITOSANE ET SES APPLICATIONS DANS DES PRODUITS À BASE DE BOIS

(57) Abstract:

(EN): An adhesive composition is disclosed, and includes an aldehyde-based resin selected from the group consisting of urea-formaldehyde resins, melamine-formaldehyde resins, melamine-urea-formaldehyde resins, phenol-containing resins, and mixtures, combinations, and sub-combinations thereof, and a formaldehyde scavenger selected from the group consisting of chitosan, nano-chitosan, functionalized chitosan, and mixtures, combinations, and sub-combinations thereof.

(FR): L'invention concerne une composition adhésive, comprenant une résine à base d'aldéhyde choisie dans le groupe constitué par les résines urée-formaldéhyde, les résines mélamine-formaldéhyde, les résines mélamine-urée-formaldéhyde, les résines contenant du phénol et les mélanges, associations et sous-associations de celles-ci et un piègeur de formaldéhyde choisi dans le groupe constitué par le chitosane, le nano-chitosane, le chitosane fonctionnalisé et les mélanges, associations et sous-associations de ceux-ci.

International search report:

Received at International Bureau: 31 May 2018 (31.05.2018) [IN]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

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, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : 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, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM