

(12) International Application Status Report

Received at International Bureau: 06 June 2018 (06.06.2018)

Information valid as of: 13 August 2018 (13.08.2018)

Report generated on: 23 March 2019 (23.03.2019)

(10) Publication number:

WO2018/230296

(43) Publication date:

20 December 2018 (20.12.2018)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2018/019992

(22) Filing Date:

24 May 2018 (24.05.2018)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2017-116773 (JP)

(31) Priority date(s):

14 June 2017 (14.06.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

C09D 4/00 (2006.01); **B32B 27/18** (2006.01); **B32B 27/30** (2006.01); **B32B 27/32** (2006.01); **B32B 27/36** (2006.01); **C09D 7/63** (2018.01); **C09D 167/06** (2006.01)

(71) Applicant(s):

SOKEN CHEMICAL & ENGINEERING CO., LTD. [JP/JP]; 29-5, Takada 3-chome, Toshima-ku, Tokyo 1718531 (JP) (*for all designated states*)

(72) Inventor(s):

KOYAMA Yuji; c/o SOKEN CHEMICAL & ENGINEERING CO., LTD., 13-1, Hirosehigashi 1-chome, Sayama-shi, Saitama 3501320 (JP)

OKAMOTO Syuji; c/o SOKEN CHEMICAL & ENGINEERING CO., LTD., 13-1, Hirosehigashi 1-chome, Sayama-shi, Saitama 3501320 (JP)

(74) Agent(s):

SSINPAT PATENT FIRM; Gotanda Yamazaki Bldg. 6F, 13-6, Nishigotanda 7-chome, Shinagawa-ku, Tokyo 1410031 (JP)

(54) Title (EN): CURABLE COMPOSITION FOR COATING AND LAMINATE

(54) Title (FR): COMPOSITION DURCISSABLE POUR REVÊTEMENT ET STRATIFIÉ

(54) Title (JA): コーティング用硬化性組成物および積層体

(57) Abstract:

(EN): The present invention addresses the problem of providing a curable composition for coating which, even when used to form a coating on a substrate made of a low-surface-energy material such as polyolefin, exhibits good adhesion to the substrate and good surface curability for the coating. This curable composition for coating is a composition containing a polymer (a), a monomer (b), and a curing catalyst (c). The curing catalyst (c) is an organoborane-amine complex (c-1) or a mixture (c-2) of a transition metal salt of a carboxylic acid and a tertiary amino group-containing polyamine, and contains the components in specific amounts.

(FR): La présente invention aborde le problème de la fourniture d'une composition durcissable pour revêtement qui, même lorsqu'elle est utilisée pour former un revêtement sur un substrat constitué d'un matériau à faible énergie de surface tel qu'une polyoléfine, présente une bonne adhérence au substrat et une bonne aptitude au durcissement de surface en vue du revêtement. Cette composition durcissable pour revêtement est une composition contenant un polymère (a), un monomère (b) et un catalyseur de durcissement (c). Le catalyseur de durcissement (c) est un complexe d'organoborane-amine (c-1) ou un mélange (c-2) d'un sel de métal de transition d'un acide carboxylique et d'une polyamine contenant un groupe amino tertiaire, et contient les constituants en quantités spécifiques.

(JA): 本発明は、ポリオレフィン等の低表面エネルギー素材の基材に対して、コーティング膜を形成した際であっても、基材との密着性に優れ、コーティング膜の表面硬化性にも優れるコーティング用硬化性組成物を提供することを課題とする。本発明のコーティング用硬化性組成物は、重合体(a)、単量体(b)および硬化用触媒(c)を含有する組成物であり、前記硬化用触媒(c)が、オルガノボラン-アミン錯体(c-1)または遷移金属のカルボン酸塩と、3級アミノ基を有するポリアミンとの混合物(c-2)であり、各成分を特定量含む。

International search report:

Received at International Bureau: 13 August 2018 (13.08.2018) [JP]

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