

(12) International Application Status Report

Received at International Bureau: 29 August 2018 (29.08.2018)

Information valid as of: 12 December 2018 (12.12.2018)

Report generated on: 19 August 2019 (19.08.2019)

(10) Publication number:

WO2019/030453

(43) Publication date:

14 February 2019 (14.02.2019)

(26) Publication language:

French (FR)

(21) Application Number:

PCT/FR2018/052029

(22) Filing Date:

07 August 2018 (07.08.2018)

(25) Filing language:

French (FR)

(31) Priority number(s):

1757604 (FR)

(31) Priority date(s):

09 August 2017 (09.08.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

C08L 27/16 (2006.01); **H01L 51/05** (2006.01); **H01L 27/28** (2006.01)

(71) Applicant(s):

ARKEMA FRANCE [FR/FR]; 420 rue d'Estienne d'Orves 92700 Colombes (FR) *(for all designated states)*

UNIVERSITE DE BORDEAUX [FR/FR]; 35, Place Pey Berland 33000 Bordeaux (FR) *(for all designated states)*

INSTITUT POLYTECHNIQUE DE BORDEAUX [FR/FR]; 1, Avenue du Docteur Albert Schweitzer 33402 Talence Cedex (FR) *(for all designated states)*

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE [FR/FR]; 3, rue Michel Ange 75016 Paris (FR) *(for all designated states)*

(72) Inventor(s):

DOMINGUES DOS SANTOS, Fabrice; 10, rue Beranger 75003 Paris (FR)

SOULESTIN, Thibaut; 10 rue Prosper Chappet 69007 Lyon (FR)

THUAU, Damien; 37 rue Borda 33000 Bordeaux (FR)

HADZIIOANNOU, Georges; 158, chemin Coquillat 33850 Leognan (FR)

(74) Agent(s):

ALBANI, Dalila; 420, rue d'Estienne d'Orves 92705 Colombes Cedex (FR)

(54) Title (EN): COMPOSITION OF FLUORINATED ELECTROACTIVE POLYMERS, FORMULATION, FILM, ELECTRONIC DEVICE AND ORGANIC FIELD-EFFECT TRANSISTOR

(54) Title (FR): COMPOSITION DE POLYMÈRES FLUORÉS ÉLECTROACTIFS, FORMULATION, FILM, DISPOSITIF ÉLECTRONIQUE ET TRANSISTOR ORGANIQUE A EFFET DE CHAMP

(57) Abstract:

(EN): The invention relates to a composition comprising a mixture of fluorinated electroactive polymers and having a more stable dielectric permittivity over the range of usage temperatures compared with each polymer used alone. The invention also relates to formulations and films made from said composition. The invention likewise relates to a field-effect transistor in which at least one portion of the dielectric layer is made up of a mixture of fluorinated electroactive polymers.

(FR): L'invention concerne une composition comprenant un mélange de polymères fluorés électroactifs et présentant une permittivité diélectrique plus stable sur la gamme de température d'utilisation par rapport à chaque polymère employé seul. L'invention concerne aussi des formulations et des films réalisés à partir de ladite composition. L'invention concerne également un transistor à effet de champ dont au moins une partie de la couche diélectrique est composée d'un mélange de polymères fluorés électroactifs.

International search report:

Received at International Bureau: 22 October 2018 (22.10.2018) [EP]

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