

Search history

Search 1: FT=(surface and (treatment or method or process) and substrate and alkaline and acid) (Results 145712)

Search 2: FT=((surface w2 (treatment or method or process)) and substrate and alkaline and acid) (Results 15555)

Search 3: 2 and PD<20140526 (Results 13336)

Search 4: FT=(3) and CPC=(D21H19) (Results 100)

Search 5: 4 and coat* (Results 99)

Title: DIGITAL PRINTING PROCESS

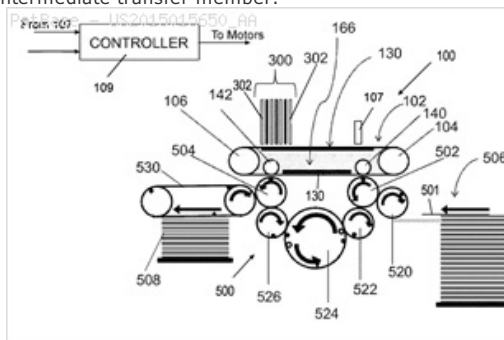
Abstract: Source: US2015015650A [EN] A printing process is disclosed which comprises directing droplets of an ink onto an intermediate transfer member to form an ink image, the ink including an organic polymeric resin and a coloring agent in an aqueous carrier, and the transfer member having a hydrophobic outer surface so that each ink droplet in the ink image spreads on impinging upon the intermediate transfer member to form an ink film. The ink is dried while the ink image is being transported by the intermediate transfer member by evaporating the aqueous carrier from the ink image to leave a residue film of resin and coloring agent. The residue film is then transferred to a **substrate**. The chemical compositions of the ink and of the surface of the intermediate transfer member are selected such that attractive intermolecular forces between molecules in the outer skin of each droplet and on the surface of the intermediate transfer member counteract the tendency of the ink film produced by each droplet to bead under the action of the surface tension of the aqueous carrier, without causing each droplet to spread by wetting the surface of the intermediate transfer member.

Classifications:

International (IPC 8-9): B05D3/10 B32B25/02 B32B25/10 B32B25/20 B32B27/02 B32B27/12 B32B3/10 B32B33/00 B32B37/00 B32B37/24 B32B5/02 B32B7/02 B32B7/12 B41F16/00 B41F21/00 B41J11/00 B41J2/00 B41J2/005 B41J2/01 B41J29/00 B41J3/00 B41J3/46 B41J3/60 B41M5/00 B41M5/025 B41M5/03 B41M5/035 B41M5/40 B41M5/50 B41M5/52 B41N10/04 B41N3/03 B65G15/42 B65H5/02 C08K3/04 C08K5/18 C08K5/23 C08K5/3417 C09D C09D11/02 C09D11/023 C09D11/03 C09D11/033 C09D11/037 C09D11/10 C09D11/102 C09D11/107 C09D11/30 C09D11/322 C09D11/324 C09D11/326 C09D11/328 C09D11/54 C09D125/08 C09D125/14 C09D133/02 C09D133/08 C09D175/08 C09D183/04 C09D183/08 C09D183/14 C09J179/00 C09J183/04 D21H19/58 D21H19/62 G03G15/00 G03G15/01 G03G15/14 G03G15/16 G03G15/20 G03G15/23 G03G15/36 G06F3/12 (Advanced/Invention); B05D1/00 B41J29/393 B41M5/03 B41N10/00 D06P1/00 D06P3/00 D06Q1/00 G03G15/16 G06K9/00 (Advanced/Non-invention); B41J C09D (Subclass/Invention)

CPC: C09J183/04 B32B25/042 B32B255/10 B41J3/46 G03G15/502 B41J11/002 G03G2215/00016 C09D11/324 C09D133/02 C08K5/3417 C08K5/23 C08K5/18 G03G15/162 B32B7/06 C09D125/08 C09D125/14 G06F3/1211 G06F3/1258 G06F3/1286 B41M5/5254 B41M5/504 C09D11/03 B41M2205/36 C09D11/037 B32B25/20 Y10T442/3854 Y10T442/674 C09D183/14 B32B37/24 B32B37/025 B05D3/108 B32B2037/243 G03G15/1615 C09D183/04 Y10T156/10 Y10T428/249921 G03G15/0189 G03G15/1605 G03G2215/0129 G06F3/1207 G06F3/1256 G06F3/1259 G06F3/1282 B05D1/00 B32B3/10 B32B5/02 D06P1/00 D06P3/00 D06Q1/00 C09D11/322 C09D11/107 C09D11/033 C09D11/102 B41M5/0355 Y10T428/24934 Y10T428/265 Y10T428/31938 B65G15/42 B65H5/021 G03G15/00 G03G2215/00147 G03G2215/00151 C09D133/08 C09D175/08 D21H19/62 D21H19/58 B41F16/0006 G03G15/14 B41J3/60 G03G15/238 G03G15/36 G03G2215/00021 B41J2002/012 C09D11/54 C09D11/328 C09D11/10 Y10T428/24802 Y10T428/31663 B41J2/01 C09D11/30 C09D11/106 C08K3/04 C08K5/57 C08L83/00 B41J2/0057 B41M5/0256 B41M5/03 B41N10/00

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Probable Assignee: LANDA LTD CORP

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Inventor(s): LANDA BENZIONIL ; NAKHMANOVICH GREGORYIL ; SAGI ABRAMOVICH ; LITVAK MATTETYAHUIL ; MATTETYAHU LITVAK ; MICHAL GILADY ; KUPERWASSER JOSEIL ; JOSE KUPERWASSER ; GILADY MICHALIL ; GOLODETZ GALIAIL ; GREGORY NAKHMANOVICH ; AVITAL DANIL ; BENZION LANDA ; DAN AVITAL ; DRAGAN STIGLIC ; ELISHA AVRAM TAL ; GAL AVIDOR ; GALIA GOLODETZ ; AVIDOR GALIL ; ASHER ALONIL ; ABRAMOVICH SAGIIL ; AHARON SHMAISER ; ALON ASHER ; AMIT HARBURGER

Agent(s): BELYEA IP; FASKEN MARTINEAU DUMOULIN LLP; HARRISON IP LTD; MARC; FOURTH DIMENSION IP; MARC VAN; DANIEL; FEIGELSON DANIEL; VAN DYKE MARC; VAN DYKE MARC ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHOD FOR FORMING MULTILAYER RELEASE LINERS

Abstract: Source: US2003087038A [EN] Disclosed herein is a multilayer silicone release surface comprising a backing, a support layer on the backing, and a silicone layer of the support layer. The various layers of the multilayer release surface are deposited substantially simultaneously, as for example by a dual die or using curtain **coating** techniques.

Classifications:

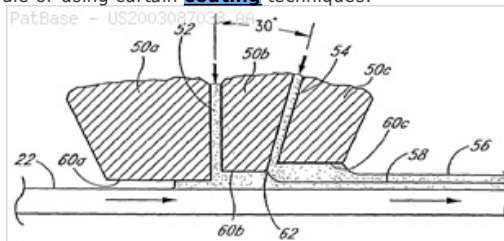
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International (ipc 1-7): B05C9/06 B05D1/18 B05D1/26 B05D1/30 B05D1/34 B05D1/36 B05D3/12 B05D5/10 B05D7/00 B05D7/10 B23B7/10 B23B7/12 B29C47/00 B29C47/06 B29C47/30 B29C47/92 B32B15/04 B32B31/00 B32B31/04 B32B33/00 B32B7/00 B32B7/06 B32B7/10 B32B7/12 B32B9/00 C09J133/02 C09J5/00 C09J7/00 C09J7/02 C09J7/04 D21H27/00

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**Family:**

Publication number	Publication date	Application number	Application date
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AT186069 E	19991115	AT19950934435T	19950915
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Priority:

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WO2001US09191	20010322				

Probable Assignee: AVERY DENNISON CORP

Assignee(s): (std): ERCILLO JESSE C ; JOSEPHY KARL ; KONING HENK DE ; MANN ROGER H ; SASAKI YUKIHIKO ; AVERY DENISON CORP ; AVERY DENNISON ; AVERY DENNISON CO ; SARTOR LUIGI ; AVERY DENNISON CORP

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Inventor(s): (std): DORDICK ROBERT ; GUO HONGJIE ; HUFF STEPHEN ; HULME ADRIAN ; JANSEN ALEXANDER ; KETTENIS ARNOUD H ; KRAY WILLIAM ; MEYER DANIEL ; POTJER BERT ; SARTOR LUIGI ; SHIH FRANK YEN JER ; SU WEN CHEN ; TSAI KUOLIH ; ZANTEN AAD VAN ; YUNLUNG FU ; YUKIHIKO SASAKI ; WILLIAM KRAY ; WEN CHEN SU ; VAN ZANTEN AAD ; SHIH FRANK Y ; SHIH FRANK ; SCHOLZ WILLIAM F ; SCHOLZ WILLIAM ; SCHOLZ W F ; SASAKI YUKIHIKO ; SASAKI YASUHIKO ; UGOLICK RONALD ; SARTOR L ; SARTOR ; POTJER BERT R ; NISRO J C ; MANN ROGER H ; MANN H ; MAN R H ; LUNG FU YUN ; LUIGI SARTOR ; LUIGI ; KUOLIH TSAI ; KUOLIH SU WEN CHEN LUIGI SARTO ; KONING HENK DE ; KISHI N ; KISHI CRAIG N ; KISHI C N ; KIAN KAMRAM ; KIAN K ; KETTENIS ARNOUD H ; KETTENIS ARNOUD ; STEPHEN HUFF ; ROBERT DORDICK ; JOSEPHY KARL ; JOSEPHEN K ; HUFF STEPHEN C ; HUFF S C ; HUFF C ; HONGJIE GUO ; FU YUN LUNG ; FU YUN L ; FU LUNG ; ERCILLO JESSE C ; ERCILLO C ; DEKONING H ; DE KONING HENK ; DE KONIG HENK ; DANIEL MEYER ; ANG T LIEM ; ANG T ; ALEXANDER JANSEN ; AL TSAI KUOLIH ET ; ADRIAN HULME ; AAD ZANTEN VAN ; CHANG PI ; CHANG ENG PI

Inventor(s): C N KISHI ; CRAIG N KISHI ; ENG PI CHANG ; HENK DE KONING ; H DEKONING ; FU YUNLUNG ; JESSE C ERCILLO ; JC NISRO ; J C NISRO ; RH MAN ; R H MAN ; STEPHEN C HUFF ; KARL JOSEPHY ; KAMRAM KIAN ; K KIAN ; K JOSEPHEN ; L SARTOR ; S C HUFF ; RONALD UGOLICK ; ROGER H MANN ; TSAI KUOLIH ET AL ; T LIEM ANG ; SU WEN CHEN LUIGI SARTOR TSAI KUOLIH ; SARTOR LUIGI PASADENA CA 91103 US ; UGOLICK RONALD PASADENA CA 91103 US ; W F SCHOLZ ; WILLIAM F SCHOLZ ; YASUHIKO SASAKI ; YUN LUNG FU ; KETTENIS ARNOUD ; FRANK YEN JER SHIH ; AAD VAN ZANTEN ; ARNOUD H KETTENIS ; BERT POTJER

Agent(s): FB RICE ; FB RICE PTY LTD ; CALLINANS ; FETHERSTONHAUGH AND CO ; SIM AND MCBURNEY ; ERNESTO CAVELIER ; NACHSHEN NEIL JACOB ET AL ; CASELLA AND HESPOS

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

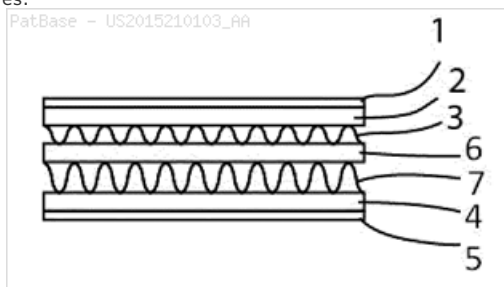
Title: PRINT MEDIUM

Abstract: Source: US2015210103A [EN] The present invention concerns a print medium and a method of producing such a print medium. In particular, the present invention is directed to a print medium comprising a **substrate** having a first and a reverse side, and at least one **coating** layer on of the **substrate** sides.

Classifications:

International (IPC 8-9): B32B27/00 B41F5/24 B41M1/04 B41M5/50 B41N1/04 C01F11/18 C04B14/28 C04B26/02 C04B38/00 C08K C08K3/26 C08K7/22 C08K7/24 C09C1/02 C09D109/06 C09D11/037 C09D11/322 C09D201/00 C8K3/26 D21H D21H19/38 D21H19/82 D21H19/84 D21H21/52 (Advanced/Invention); C09C1/02 (Advanced/Non-invention); C04B14/00 C08K3/00 D21H19/00 D21H19/38 D21H21/00 (Core/Invention)

CPC: B41M5/50 C08K7/22 C08K3/26 C01P2004/51 C01P2004/52 C01P2004/53 C01P2004/61 C01P2004/62 C01P2006/12 C01P2006/14 C01P2006/17 C04B26/02 C04B38/0051 C09C1/021 D21H19/38 D21H21/52 B41F5/24 C09D11/322 C09D109/06 C04B41/5079 C04B2103/54 C09D109/08 C08K2003/265 B41N1/04 B41M1/04 B41M5/52 B41M5/5218 B41M5/5254 B41M2205/34
US: 1/1 101/395 101/491 106/409 427/209 427/372.2



Family:

Publication number	Publication date	Application number	Application date
AU2013320271 AA	20140327	AU20130320271	20130919
AU2013320271 BB	20160121	AU20130320271	20130919
BR112015004795 A2	20170704	BR20151104795	20130919
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Priority:

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US20130424078	20130919	US20150424078	20150226	US20150877984	20151008
WO2013EP69525	20130919				

Probable Assignee: OMYA INT AG

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR

CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID
IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR
MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI
SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHOD AND APPARATUS FOR CONTROLLED PLACEMENT OF A POLYMER COMPOSITION INTO A WEB

Abstract: Source: US2001017102A [EN] The present invention relates to an apparatus for controlling the placement of a curable, shear-thinnable polymer composition into a porous web. The apparatus comprises means for applying tension, means for applying the polymer composition to one surface of the tensioned web, and means for shear thinning the composition and placing it into the web to encapsulate at least some of the structural elements of the web, leaving most of the interstitial spaces open. A preferred apparatus includes one or more process heads that has mounted thereto a rigid knife blade for engagement with the web. The knife blade is movable vertically and rotationally. The process head is also movable horizontally along the path of the web. The invention also relates to an apparatus for selectively placing the polymer composition in a substantially continuous region extending through the web so that the polymer composition fills the interstitial spaces and adheres adjacent structural elements of the web in the region. In the areas of the web above and below the filled region, at least some of the structural elements are encapsulated and most of the interstitial spaces are open.

Classifications:

International (IPC 8-9): A41D31/00 A61F13/00 A61F13/15

A61F13/49 A61F13/53 A61F5/44 A61L15/16 A61L15/22 A61L15/26

A61L15/44 A61L15/52 B05C11/00 B05C11/02 B05C11/04

B05C3/172 B05C3/18 B05D1/26 B05D1/28 B05D3/12 B32B5/18

C07K1/22 C08J9/40 C08J9/42 C08L83/07 C09D183/07 C12Q1/70

C14C11/00 C14C9/00 D04H1/40 D04H1/42 D04H1/58 D04H1/64

D04H13/00 D06B15/08 D06M10/00 D06M10/10 D06M11/00

D06M15/256 D06M15/263 D06M15/356 D06M15/37 D06M15/564

D06M15/643 D06M15/653 D06M15/657 D06M23/00 D06M23/14

D06N3/00 D06N3/04 D06N3/12 D06N7/00 D21H17/59

D21H19/32 D21H23/38 D21H25/06 G01N33/544 G01N33/569 G01N33/573

(Advanced/Invention); A41D31/00 A61F5/44 A61L15/16 B05C11/04 B05D1/26 B05D3/12 B32B5/18

D04H1/40 D06M10/00 D06M11/00 D06N7/00 (Advanced/Non-invention);

A41D31/00 A61F13/00 A61F13/15 A61F5/44 A61L15/16 B05C11/02 B05C3/00 B05C3/02 B05D1/26 B05D3/12 B32B5/18

C08J9/00 C14C11/00 C14C9/00 D04H1/40 D04H1/42 D04H1/58 D04H1/64 D04H13/00 D06B15/00 D06M10/00 D06M11/00

D06M15/21 D06M15/37 D06N3/00 D06N3/12 D06N7/00 D21H17/00 D21H19/00 D21H23/00 D21H25/00 (Core/Invention);

B05C11/02 (Core/Non-invention)

International (IPC 1-7): A01N25/34 A41D31/00 A61B19/08 A61F13/00 A61F13/15 A61F13/46 A61F13/49 A61F13/53

A61F5/44 A61L15/16 A61L15/22 A61L15/44 A63B39/00 B05C11/00 B05C11/04 B05C3/132 B05C3/172 B05C3/18 B05C5/00

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B32B5/18 B32B5/32 B32B7/02 B32B9/04 C07K1/22 C07K1/22 C08J7/00 C08L83/07 C09D183/07 C12N15/48 C12N15/86

C12N7/01 C12Q1/68 C12Q1/70 D03D3/00 D04H1/40 D04H1/42 D04H1/65 D04H1/66 D06C3/00 D06C5/00

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G01N33/544 G01N33/569 G01N33/569 G01N33/573 G01N33/573

CPC: Y10S428/907 Y10S428/92 Y10S977/788 Y10S428/904 Y10S428/913 Y10S2/901 Y10S977/918 A61F2013/00565

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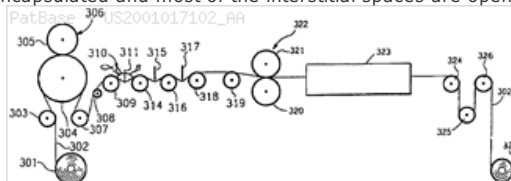
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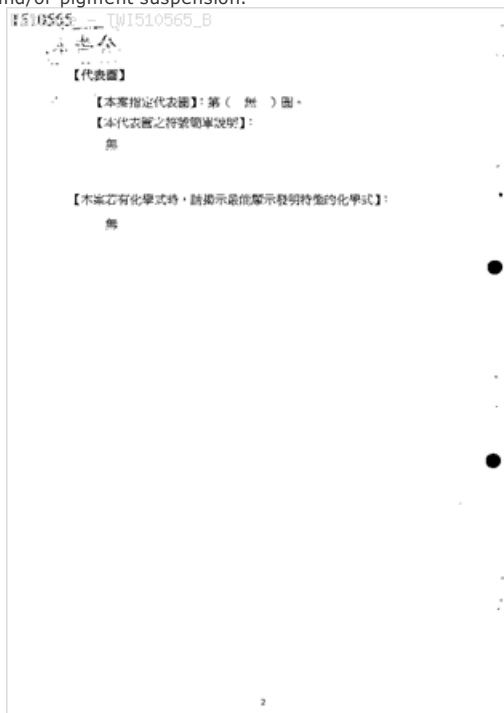
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Title: HIGH SOLIDS AQUEOUS MINERAL AND/OR FILLER AND/OR PIGMENT SUSPENSION IN ACIDIC PH ENVIRONMENT

Abstract: Source: US2015315366A [EN] The present invention relates to high solids aqueous mineral and/or filler and/or pigment suspensions in acidic pH environment, to a method for producing such high solids aqueous mineral and/or filler and/or pigment suspension to the use of the high solids aqueous mineral and/or filler and/or pigment suspension in paper making, paper **coating**, plastic, agricultural and/or paint applications and as filler in paper and to a **coating** color formulation comprising the high solids aqueous mineral and/or filler and/or pigment suspension.

Classifications:

International (IPC 8-9): B41J2/01 B41M5/00 B41M5/50 B41M5/52 C01F11/18 C08K3/16 C08K3/26 C08K3/28 C08K5/092 C08K9/04 C08L29/04 C09C1/02 C09C3/06 C09D11/037 C09D11/322 C09D129/04 C09D17/00 C09D201/00 C09D5/02 C09D7/12 D21H17/00 D21H17/66 D21H17/67 D21H17/69 D21H19/38 (Advanced/Invention); C01F11/18 (Advanced/Non-invention); C09C1/00 D21H17/00 D21H19/00 (Core/Invention) **CPC:** C08K9/04 D21H17/74 C08K3/16 C08K3/28 C08K5/092 C08L29/04 C08K2003/162 B41M5/52 B41M5/5218 B41M5/5236 B41M5/5254 C01P2004/62 C01P2006/12 C01P2006/22 C01P2006/40 C09C1/021 D21H17/66 D21H17/675 D21H17/69 D21H19/385 C08K3/26 C08K2003/265 C09C3/06 C09D7/40 **US:** 1/1 162/164.1 524/320 524/425



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Priority:

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WO2013EP61800 20130607 US20130406585 20130607

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PATENTANWALTSGESELLSCHAFT MBH; MAIWALD PATENTANWALTS GMBH; MUELLER DYCK MARTINA;
CARVAJAL Y ISABEL; KAWAGUTI AND PARTNERS; DENIZ CELIKEL ETLIK MAH MELTEM SOK AYBUEKE
APT NO 14 16 KECIOEREN ANKARA; AMSTER ROTHSTEIN AND EBENSTEIN LLP; JUNGEL MELANIE

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SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: COMPOSITES OF INORGANIC AND/OR ORGANIC MICROPARTICLES AND NANO-CALCIUM CARBONATE PARTICLES

Abstract: Source: US2009162638A [EN] The present invention relates to composites, comprising inorganic and/or organic pigments and/or fillers in the form of microparticles, the surface of which is **coated** at least partially with finely divided nano-calcium carbonate with the help of binders based on copolymers comprising as monomers one or more dicarboxylic **acids** and one or more monomers from the group of diamines, triamines, dialkanolamines or trialkanolamines, a method for producing such composites, aqueous slurries thereof and their use in papermaking or in the field of paint and plastic production and the use of the inventive binders for **coating** the microparticles with nano-calcium carbonate.

Classifications:

International (IPC 8-9): B01D39/04 B01J13/00 B01J20/10 B01J20/32 B05D7/00 B32B19/02 B32B27/04 B32B27/10 B32B5/16 B82B1/00 B82Y30/00 B82Y40/00 C04B14/28 C04B20/10 C04B22/10 C04B35/03 C08J3/12 C08J3/20 C08K3/26 C08K5/00 C08K7/04 C08K9/02 C08K9/08 C08K9/10 C08L25/14 C08L33/06 C08L77/00 C09B67/08 C09C1/00 C09C1/02 C09C1/06 C09C1/28 C09C1/40 C09C1/42 C09C3/00 C09C3/06 C09C3/10 C09D17/00 C09D177/00 C09D4/00 C09D7/12 C09D7/14 D21H17/67 D21H19/36 D21H19/38 D21H19/42 D21H19/44 D21H19/82 D21H19/84 (Advanced/Invention); B82B1/00 B82Y30/00 B82Y40/00 C09C1/00 C09C1/06 C09C1/40 C09C1/42 C09C3/06 D21H21/52 (Advanced/Non-invention); B01J13/00 B01J20/10 B01J20/30 B05D7/00 B32B19/00 B32B27/04 B32B27/10 B32B5/16 B82B1/00 C08J3/12 C08J3/20 C08K9/00 C08L25/00 C08L33/00 C08L77/00 C09B67/00 C09C1/00 C09C1/04 C09C1/28 C09C1/40 C09C3/00 C09C3/06 C09D17/00 C09D177/00 C09D7/12 C09D7/14 D21H17/00 D21H19/00 (Core/Invention); B01J20/32 C08K9/08 C08L77/00 C09C1/28 C09C1/42 C09C3/06 C09D7/12 D21H19/36 (Core/Non-invention); C09C (Subclass/Invention)

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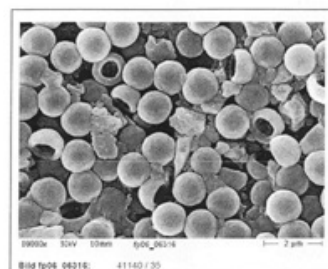
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US: 427/202 427/202S 427/212 427/212S 427/214 427/214S 427/221 427/221S 428/323 428/323P 428/403 428/403S 428/407 428/407P 428/407S 516/100 516/100S 516/98 516/98S 524/425 524/445 524/449 524/451 524/500 524/606 977/773 977/773S

PatBase - US2009162638_AA

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Fig. 1



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Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: OMYA INT AG

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Assignee(s): OMYA DEVELOPMENT AGCH ; OMIA DEVELOPMENT AG ; GANE PATRICK AC

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Inventor(s): MATHIAS BURI ; GANE PATRICK AC ; MATTHIAS BURI PATRICK A C GANE RENE VINZENZ BLUM ; MATTHIAS BURI PATRICK AC GANE RENE VINZENZ BLUM ; PATRICK A C GANE ; PATRICK AC GANE ; PATRICK ACGANE ; RENE VINZENZ BLUM ; RENU VINZENZ BLUM ; BURI PATRICK A C

Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; MAIWALD PATENTANWALTS GMBH; MAIWALD PATENTANWALTSGESELLSCHAFT MBH; TIEFBRUNNER VERA ET AL; TIEFBRUNNER VERA; MIR MIREIA; KATAYAMA EIJI; OHMORI NORIO; KOBAYASHI HIROSHI; AMSTER ROTHSTEIN AND EBENSTEIN LLP; CRAIG J ARNOLD,AMSTER ROTHSTEIN AND EBENSTEIN; CRAIG J ARNOLD AMSTER ROTHSTEIN AND EBENSTEIN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: COMPOSITE CO-STRUCTURED OR CO-ADSORBED, MINERAL OR ORGANIC FILLER OR PIGMENT COMPOUNDS AND THE USE THEREOF

Abstract: Source: US2005006041A [EN] Composite compounds of co-structured or co-adsorbed organic or mineral fillers or pigments containing at least two organic or mineral fillers or pigments of a different nature and the use thereof in the paper industry for manufacturing paper, filling or **coating** or for any other **surface treatment** of the paper as well as wood or metal or plastic or cement **surface treatment** compounds in the fields of aqueous and non-aqueous paints and plastics materials. **Coating** colors, uncoated filling compound and sheets of base paper for **coating** containing them.

Classifications:

International (IPC 8-9): C04B14/20 C04B16/00 C08J3/20 C08L31/00 C09B63/00 C09B67/20 C09B67/22 C09C1/00 C09C3/00 C09D17/00 C09D7/00 C09D7/12 D21H11/00 D21H15/00 D21H17/63 D21H17/67 D21H19/36 D21H19/38 D21H19/58 D21H23/00 (Advanced/Invention); C08J3/20 C09B67/22 C09C1/00 (Advanced/Non-invention); C09B67/00 C09C1/00 C09D17/00 C09D7/12 D21H15/00 D21H19/00 D21H19/38 D21H19/58 (Core/Invention)

International (IPC 1-7): xx C04B14/20 C08J3/20 C09B6 C09B67/20 C09B67/22 C09C1/00 C09C3/00 C09D17/00 C09D7/12 D21H17/63

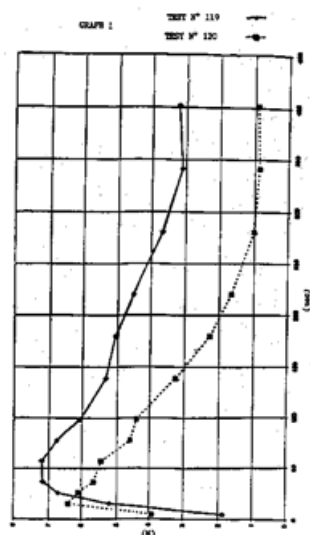
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European: C09B63/00M C09B67/00M C09C1/02B C09C1/02H C09C1/40B C09C1/42 C09C3/08 C09D17/00D C09D7/12 C09D7/12D2 D21H17/67 D21H17/74 D21H19/36 D21H19/38 D21H19/42 M01P4/61 M01P4/62 M01P6/22 M01P6/60 M08K3/00P5 M08K3/26

US: 106/200.1 106/206.1 106/217 106/217.1 106/287.35 106/287.350P 106/400 106/400S 106/417 106/417S 106/447 106/447S 106/464 106/465 106/465S 106/471 106/471S 106/476 106/476S 106/487 106/487S 106/491 106/491S 106/499 106/499S 162/135 162/135S 162/136 162/137 162/162 162/181.1 162/181.100P 162/181.100S 162/181.2 428/342 524/35 524/523 524/556

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Priority:

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Designated states: AT AU BE BR CA CH CN CY CZ DE DK ES FI FR GB GR HU ID IE IN IT JP KR LI LU MC MX NL NO NZ PL PT RO RU SE SI SK TR US ZA

Title: COMPOSITIONS FOR IMPARTING DESIRED PROPERTIES TO MATERIALS

Abstract: Source: US2003199629A [EN] The present invention relates to aqueous compositions comprising component (A) which comprises at least one water-soluble component comprising at least one functional group that undergoes a crosslinking reaction, preferably upon drying and/or heating; and component (B) which comprises at least one film-forming material. In particular the composition is a **coating** composition comprises: (A) at least one polyamidoamine-epihalohydrin resin; and (B) at least one material selected from flexibilizing materials, crosslink inhibitors and combinations thereof in an amount sufficient to impart a cuttability value of less than about 15 to a **substrate coated** with the **coating** composition. Component (B) is preferably at least one polymer comprising repeating units derived from an alkyl halide having at least one double bond and an alkene, such as ethylene vinyl chloride. **Coated substrates** such as **coated** building units, such as ceiling tiles and wall boards, as well as methods of producing such **coated substrates** are also provided.

Classifications:

International (IPC 8-9): C09D179/02 D21H17/55 C08L101/00 C08L33/26 C08L77/00 C08L79/02 C09D123/04 C09D127/00 C09D127/06 C09D133/08 C09D133/26 C09D157/00 C09D179/00 C09D201/02 C09D5/02 C23C22/17 C23C22/34 C23C22/36 D04H1/587 D04H1/64 D21H19/20 D21H19/30 (Advanced/Invention);

C08L101/00 C08L77/00 C09D127/00 C09D133/08 C09D157/00 C09D5/02 C23C22/00 (Advanced/Non-invention)

International (IPC 1-7): C08J3/00 C08L101/00 C08L31/04 C08L33/00 C08L33/26 C08L77/00 C08L79/02 C09D179/00 C09D123/04 C09D127/00 C09D127/06 C09D133/08 C09D133/26 C09D157/00 C09D179/00 C09D179/02 C09D201/02 C09D201/02 C09D5/02 C23C22/05 C23C22/34 C23C22/36 D21H17/55

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European: C08L79/02 C09D179/02 C09D201/02 C23C22/34 C23C22/36A D04H1/64A D21H19/20 D21H19/30

US: 106/14.12 106/14.15 106/14.16 106/14.41 106/14.42 106/14.44 148/243 148/247 148/253 148/257 148/259 148/260 148/274 524/502 524/503 524/514 524/517 524/519 524/521 524/522 524/523 524/524 524/527

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Probable Assignee: CHEMETALL CORP

Assignee(s): (std): ARMSTRONG WORLD IND INC ; ARMSTRONG WORLD IND LANCASTER ; HERCULES INC ; GELMAN ROBERT A ; KEYS ANDREA ; MELZER JEFFREY I ; GE BETZ INC ; RAAB MICHAEL T ; CHEMETALL CORP

Assignee(s): CANORRO JAMES ; CREDIT SUISSE CAYMAN ISLANDS BRANCH ADMINISTRATIVE AGENT AG AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; CREDIT SUISSE FIRST BOSTON AS COLLATERAL AGENT ; CREDIT SUISSE CAYMAN ISLANDS BRANCH ADMINISTRATIVE ; CREDIT SUISSE FIRST BOSTON COLLATERAL AGENT AG AS ; AQUALON CO ; ARMSTRONG WORLD IND ; HERCULES INC WILMINGTON ; RODRIQUEZ WILLIAM ; STEED JENNIFER E ; MOTTERN KEVIN M ; LEFEVER JOANNE ; HOWLE MATTHEW B ; SZEWCZYK ROBERT G ; MASLANKA WILLIAM W ; STUHRKE RICHARD A ; SOLENIS TECHNOLOGIES LP ; SOLENIS TECHNOLOGIES CAYMAN LP ; SOLENIS

TECHNOLOGIES CAYMAN L P ; WINTERS DOUGLAS PO BOX ; WSP INC ; WINTERS DOUGLAS ;
HERCULES CREDIT INC ; HERCULES FLAVOR INC ; HERCULES FINANCE CO ; HERCULES INT ;
HERCULES SHARED SERVICES CORP ; HERCULES CHEMICAL CORP ; HERCULES COUNTRY CLUB INC ;
HERCULES EURO HOLDINGS LLC ; HERCULES INVESTMENTS LLC ; HISPAN CORP ; HERCULES INT LLC
LTD ; HERCULES INT LTD ; ASHLAND LICENSING AND INTELLECTUAL PROPERTY LLC ; BANK OF
AMERICA NA ; BETZDEARBORN INC ; BETZDEARBORN EUROPE INC ; BETZDEARBORN INT ; ATHENS
HOLDINGS INC ; BETZDEARBORN CHINA LTD ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ;
BANK OF AMERICA NA COLLATERAL AGENT AS ; BETZDEARBORN INT INC ; BANK OF AMERICA NA AS
ADMINISTRATIVE AGENT ; FIBERVISIONS LLC ; FIBERVISIONS PRODUCTS INC ; FIBERVISIONS INC ;
D R C LTD ; BL TECHNOLOGIES INC ; BLI HOLDING CORP ; BL CHEMICALS INC ; CHEMICAL
TECHNOLOGIES INDIA LTD ; COVINGTON HO LDINGS INC ; EAST BAY REALTY SEVICES INC ;
FIBERVISIONS LP

Inventor(s): (std): SZEWCZYK ROBERT G ; SZEWCZYK G ; STUHRKE RICHARD A ; STUHRKE A ; STEED JENNIFER E ;
STEED E ; RODRIQUEZ WILLIAM ; RAAB T ; RAAB MICHAEL T ; MOTTERN M ; MOTTERN KEVIN M ;
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ANDREA R ; MATTHEW B HOWLE ; KEVIN M MOTTERN ; JENNIFER E STEED ; JAMES CANORRO ;
LEFEVER JOANNE ; KEYS ANDREA ; HOWLE MATTHEW B ; HOWLE B ; GELMAN ROBERT A ; GELMAN A ;
CANORRO JAMES ; WILLIAM RODRIQUEZ ; ROBERT A GELMAN ; RAAB MICHAEL ; MELZER JEFFREY ;
GELMAN ROBERT

Inventor(s): LEFEVER JOANNE AND ; MELZER JEFFREY I KEYS ANDREA RAAB MICHAEL T GELMAN ; WILLIAM W
MASLANKA ; ANDREA KEYS ; JOANNE LEFEVER ; JEFFREY I MELZER ; CANORO GELMAN HOWLE KEYS
LEFEVER MASLANKA MELZER MOTTERN RAAB RODRIGUEZ STUHRKE STEED SZEWCZYK ; MASLANKA ;
HOWLE ; CANORO ; WILLIAM M. MASLANKA ; SZEWCZYK ; STUHRKE ; STEED ; RODRIGUEZ ; ROBERT
G. SZEWCZYK ; RICHARD A. STUHRKE ; RAAB ; MOTTERN ; MICHAEL T. RAAB ; MELZER ; LEFEVER ;
KEYS ; JENNIFER E. DTEED ; GELMAN

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; MOFFAT AND CO; CRAIG WILSON AND CO;
ESTUDIO FEDERICO VILLASECA Y CIA; SZARY ANNE CATHERINE ET AL; CHIBA AKIO; MASUI CHUJI;
SHAMOTO ICHIO; NOYA HIROAKI; TOMITA HIROYUKI; KOBAYASHI YASUSHI; WEGMAN HESSLER AND
VANDERBURG

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
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ZA ZM ZW

Title: MELT-STABLE LACTIDE POLYMER COMPOSITION AND PROCESS FOR MANUFACTURE THEREOF

Abstract: Source: US5338822A [EN] A lactide polymer composition combining compositional and purity limitations and catalyst optimization or addition of stabilizing agents resulting in a melt-stable polymer is disclosed. The melt-stable lactide polymer comprises a plurality of polylactide polymer chains, residual lactide in concentration of less than 2 percent and water in concentration of less than 1000 parts-per-million. A stabilizing agent in an amount sufficient to reduce depolymerization of the lactide polymer during melt-processing or alternatively, control of catalyst level at a molar ratio of monomer to catalyst greater than 3000:1 is also included in the melt-stable composition. A process for manufacture of a melt-stable lactide polymer composition includes polymerizing a lactide mixture and adding stabilizing agents sufficient to reduce depolymerization of the polylactide during melt-processing, followed by devolatilizing the polylactide to remove monomer and water.

Classifications:

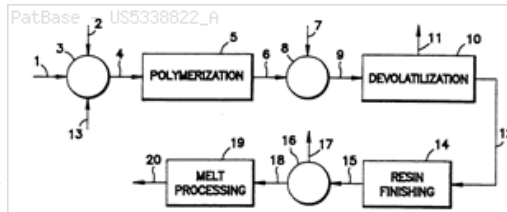
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International (IPC 1-7): B05D3/02 B05D3/12 B32B27/10 B32B27/36 B32B5/16 B32B9/04 C08G63/08 C08G63/78 C08G63/82 C08J5/18 C08K11/00 C08K3/16 C08K3/22 C08K3/26 C08K3/30 C08K3/34 C08K5/10 C08K5/13 C08K5/15 C08K5/151 C08K5/1515 C08K5/29 C08K5/51 C08K5/524 C08K5/54 C08L101/16 C08L67/00 C08L67/04 D01D5/098 D01D6/098 D01F6/62 D01F6/84 D01F6/92 D03D15/00 D03D3/00 D04H1/42 D04H13/00 D04H3/00 D04H3/12 D21H19/10 D21H19/28 D21H19/62

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US: 156/244.11 264/165 264/172.11 264/172.17 264/176.1 264/232 264/239 264/45.9 264/75 422/347 427/337 427/361 427/365 427/366 427/391 427/395 428/221 428/224 428/281 428/283 428/288 428/323 428/325 428/326 428/329 428/331 428/338 428/411.1 428/441.1 428/480 428/481 428/486 428/490 428/537.5 442/327 442/347 442/361 442/365 442/400 525/408 525/413 525/415 528/281 528/354 528/355 528/356 528/357 528/361 528/480 528/503 549/274 606/230

**Family:**

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Probable Assignee: CARGILL INC

Assignee(s): (std): CARGILL INC ; GARGILL INC

Assignee(s): GRUBER PATRICK R ; HALL ERIC S ; IWEN MATTHEW L ; RYAN CHRISTOPHER M ; KOLSTAD JEFFREY J ; KARGIL IS KO PO RAY LTD ; CARGILL INC WAYZATA MINN US ; CARGILL INCOPORATED ; CONN ROBIN S E ; CARGILL

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Inventor(s): RYAN M ; CONN SUE ; CONN ROBIN SUE EICHEN ; GRUBER PATRICK ; HALL STANLEY ; GRUBER RICHARD PATRICK ; GRUBER RICHARD ; GRUBER PATRICK RICHARD ST PAUL MN 55117 US ; IWEN MATTHEW LEE MINNEAPOLIS MN 55419 US ; KOLSTAD JOHN ; KOLSTAD JEFFREY JOHN WAYZATA MN 55391 US

Agent(s): PHILLIPS ORMONDE FITZPATRICK; ROIC

Designated states: AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CZ DE DK ES FI FR GA GB GN GR HU IE IT JP KP KR KZ LI LK LU LV MC MG ML MN MR MW NE NL NO NZ PL PT RO RU SD SE SK SN TD TG UA UZ VN

Title: METHOD AND SYSTEM USING LOW FATTY **ACID** STARCHES IN PAPER SIZING COMPOSITION TO INHIBIT DEPOSITION OF MULTIVALENT FATTY **ACID** SALTS

Abstract: Source: US2011240242A [EN] A method for inhibiting deposition of multivalent saturated fatty **acids** on paper sizing equipment and/or devices which use a paper surface sizing composition containing higher starch solids levels of surface sizing starches and a source of multivalent cations, such as a multivalent metal drying salt, by including (wholly or partially) one or more low fatty **acid** surface sizing starches in the paper surface sizing composition. Also, a paper surface sizing system for carrying out this method.

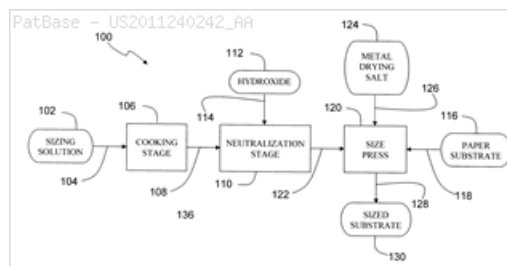
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CPC: D21H19/14 D21H17/15 D21H17/28 D21H21/16 D21H23/56 C08B31/04 C09D103/06 D21H19/54

European: D21H21/16 N21H17/15 N21H17/28 N21H19/54 N21H23/56

US: 106/162.1 106/206.1 106/217.9 127/67 127/70 127/71 162/135 162/158 162/175 162/179 162/181.2 162/184 162/265 162/265S



Family:

Publication number	Publication date	Application number	Application date
BR112012024853 A2	20160614	BR20121124853	20110304
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Priority:

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US20130109170 20131217

Probable Assignee: INT PAPER CO

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HK HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW