

1) Family number: 48257026 (BRPI0805076A)

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Title: COMPOSITO BIODEGRADAVEL OBTIDO A PARTIR DE BIOPOLIMEROS REFORCADOS COM RESIDUOS DO BENEFICIAMENTO DE PRODUTOS AGROINDUSTRIAIS Composite biodegradable biopolymers OBTAINED FROM reinforced PRODUCT IMPROVEMENT OF AGRO INDUSTRIAL WASTE (Machine translation)

Abstract: Source: BRPI0805076A [PT] COMPOSITO BIODEGRADAVEL OBTIDO A PARTIR DE BIOPOLIMEROS REFORCADOS COM RESIDUOS DO BENEFICIAMENTO DE PRODUTOS AGROINDUSTRIAIS. A presente invencao refere-se a obtencao de compositos obtidos a partir de biopolimeros reforcados com residuos do beneficiamento de produtos agroindustriais quimicamente modificados com o intuito de produzir um material ambientalmente degradavel e com propriedades mecanicas melhoradas; alem de proporcionar uma reducao no custo dos produtos finais entre 10 percent e 30 percent. O material diminuira a dependencia das reservas de petroleo, permite a incorporacao de substancias ativas, consiste em uma excelente alternativa para o produtor rural; alem de contribuir para o destino final dos residuos do beneficiamento de produtos agroindustriais.

Machine translation: COMPOSITO BIODEGRADAVEL GOTTEN FROM BIOPOLIMEROS STRENGTHENED WITH RESIDUES OF THE IMPROVEMENT OF AGRO-INDUSTRIAL PRODUCTS. The present invention mentions attainment to it of compositos gotten from biopolimeros strengthened with residues of the improvement of agro-industrial products chemically modified with intention to produce a material ambiently degradavel and with improved mechanical properties; beyond providing a reduction in the cost of the end items between 10 percent and 30 percent. The material diminuira the dependence of the oil reserves, allows the incorporation of substantiates active, consists of an excellent alternative for the agricultural producer; beyond contributing for the final destination of the residues of the improvement of agro-industrial products.

Classifications:

International (Ipc 8-9): B29B17/00 C08J11/00 C08L101/16 (Advanced/Invention)
CPC: Y02W30/62

Family:

Publication number	Publication date	Application number	Application date
BRPI0805076 A2	20110201	BR2008PI05076	20080728

Priority:

BR2008PI05076 20080728

Probable Assignee: UNIV FED LAVRAS

Assignee(s): (std): FUNDACAO DE AMPARO A PESQUISA ; UNIV FED DE LAVRAS ; UNIV FED LAVRAS

Assignee(s): UNIVERSIDADE FEDERAL DE LAVRAS ; FUNDACAO DE AMPARO A PESQUISA DO ESTADO DE MINAS GERAIS

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Inventor(s): ALAN RODRIGUES TEIXEIRA ; MARIA LUCIA BIANCHI ; KELEN CRISTINA DOS REIS ; JOELMA PEREIRA ; PAULO FABRICIO QUEIROZ MARTINS ; SARAH SILVA BRUM

2) Family number: 56779074 (US2014178665A)

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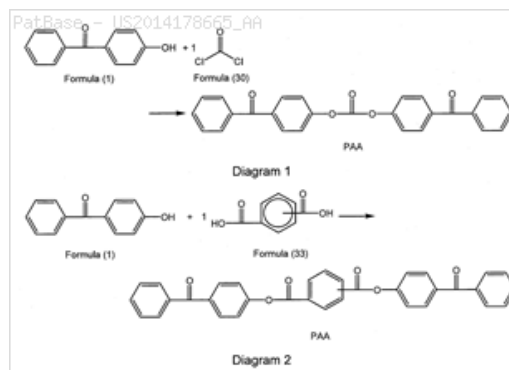
Title: CROSS-LINKED POLYCARBONATE RESIN WITH IMPROVED CHEMICAL AND FLAME RESISTANCE

Abstract: Processes for increasing the chemical resistance of a surface of a formed article are disclosed. The formed article is produced from a polymeric composition comprising a photoactive additive containing photoactive groups derived from a monofunctional benzophenone. The surface of the formed article is then exposed to ultraviolet light to cause crosslinking of the photoactive additive and produce a crosslinked surface. The crosslinking enhances the chemical resistance of the surface. Various means for controlling the depth of the crosslinking are also discussed.

Classifications:

International (Ipc 8-9): A61L2/08 A61L24/00 B05D3/06 B29C35/08 B29C45/00 C08F2/46 C08F2/50 C08G61/04 C08G63/00 C08G64/00 C08G64/04 C08G64/08 C08G64/14 C08G64/16 C08G64/20 C08G64/24 C08G64/28 C08G64/38 C08G67/00 C08G77/00 C08G79/04 C08J3/28 C08J7/12 C08K5/3475 C08K5/42 C08K5/52 C08K5/5393 C08K5/549 C08L51/00 C08L67/00 C08L67/04 C08L69/00 C08L77/00 (Advanced/Invention); B29K105/00 B29K105/24 B29K269/00 B29K69/00 C08G63/02 (Advanced/Non-invention)
CPC: C08J3/28 B29C45/0001 B29C35/08 C08G64/045 C08K5/5393 C08K5/549 C08K5/42 C08G64/205 C08G63/00 C08L83/10 C08L23/0884 C08L67/02 C08L25/06 C08L33/12 C08L51/04 C08L55/02 B29C35/0805 B29C2035/0827 B29K2269/00 C08K5/3475 B05D3/067 C08J2469/00 C08L2201/02 C08L2205/02 C08L2312/06 B29K2069/00 B29K2105/0026 B29K2105/24 C08J2369/00 C08G67/00 C08K5/52 C08L2205/025 C08J7/123 C08G64/1666 C08G79/04 C08L2205/03 C08G64/28 C08G64/24 C08G64/14 C08L101/00 C08L77/00 C08G77/80 C08L51/00 C08L69/00

US: 1/1 264/310 264/320 264/322 264/328.1 264/477 264/478 264/494 264/523 427/508 428/220 520/1 521/134 521/138 521/180 522/1 522/109 522/111 522/146 522/163 522/178 522/184 522/189 522/33 522/35 522/42 522/46 522/6 522/71 522/79 524/126 524/147 524/162 524/165 524/267 524/537 524/592 524/91 525/418 525/433 525/439 525/450 525/461 525/462 525/464 525/466 525/469 525/471 525/538 525/55 525/70 526/64 528/126 528/127 528/128 528/196 528/198 528/29



Family:

Publication number	Publication date	Application number	Application date
CN104884500 A	20150902	CN201380066729	20131220
CN104884501 A	20150902	CN201380067438	20131220
CN104884501 B	20180629	CN201380067438	20131220
CN104937009 A	20150923	CN201380063866	20131220
CN104937009 B	20171208	CN201380063866	20131220
CN104955872 A	20150930	CN201380066700	20131220
CN105026459 A	20151104	CN201380062882	20131220
CN105026459 B	20181106	CN201380062882	20131220
CN105051090 A	20151111	CN201480015493	20140314
CN105051090 B	20170616	CN201480015493	20140314
CN105189651 A	20151223	CN201480016229	20140314
CN105189651 B	20170901	CN201480016229	20140314
CN105263987 A	20160120	CN201480016134	20140314
DE602013021392 D1	20170629	DE201360021392T	20131220
EP2935396 A1	20151028	EP20130818938	20131220
EP2935397 A1	20151028	EP20130819156	20131220
EP2935398 A1	20151028	EP20130821756	20131220
EP2935398 B1	20170517	EP20130821756	20131220
EP2935399 A1	20151028	EP20130824054	20131220
EP2935399 B1	20180822	EP20130824054	20131220
EP2935400 A1	20151028	EP20130824236	20131220
EP2935400 B1	20180530	EP20130824236	20131220
EP2970576 A1	20160120	EP20140721661	20140314
EP2970577 A1	20160120	EP20140716734	20140314
EP2970577 B1	20181212	EP20140716734	20140314
EP2970578 A1	20160120	EP20140717044	20140314
EP2970655 A1	20160120	EP20140717045	20140314
US2014178665 AA	20140626	US20130137532	20131220
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US2014179821 AA	20140626	US20130137292	20131220
US2014179844 AA	20140626	US20130137002	20131220
US2014179891 AA	20140626	US20130137208	20131220
US2014265053 AA	20140918	US20140213642	20140314
US2014275314 AA	20140918	US20140214018	20140314
US2014275322 AA	20140918	US20140212385	20140314
US2014275449 AA	20140918	US20140213381	20140314
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US2015197609 AA	20150716	US20140560354	20141204
US2015218309 AA	20150806	US20150607444	20150128
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US9023973 BB	20150505	US20130137121	20131220
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US9963545 BB	20180508	US20150607444	20150128
US10000636 BB	20180619	US20140213642	20140314
WO14100535 A1	20140626	WO2013US76798	20131220
WO14100536 A1	20140626	WO2013US76799	20131220
WO14100635 A1	20140626	WO2013US77024	20131220
WO14100711 A1	20140626	WO2013US77209	20131220
WO14100745 A1	20140626	WO2013US77272	20131220
WO14143948 A1	20140918	WO2014US28141	20140314
WO14144304 A1	20140918	WO2014US28651	20140314
WO14144438 A1	20140918	WO2014US28850	20140314
WO14144673 A1	20140918	WO2014US29184	20140314

Priority:

US20120740062P	20121220	US20130791886P	20130315	US20130792912P	20130315
US20130792966P	20130315	US20130793072P	20130315	US20130792637P	20130315
US20130789243P	20130315	US20130901595P	20131108	EP20130821756	20131220
US20130137208	20131220	US20130137292	20131220	US20130137002	20131220
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US20140214018	20140314	US20140212385	20140314	WO2014US28141	20140314
WO2014US28850	20140314	WO2014US29184	20140314	WO2014US28651	20140314
US20140506354	20141204	US20150607399	20150128	US20150607444	20150128
US20150701704	20150501	US20150701620	20150501	US20150723967	20150528

Probable Assignee: SABIC GLOBAL TECHNOLOGIES BV

Assignee(s): (std): EVANS THOMAS L ; FLORES AMANDA MARIE ; FRAZEE ANDREW ; JOHNSON PETER ; SABIC INNOVATIVE PLASTICS IP BV ; SYBERT PAUL DEAN ; SABIC INNOVATIVE PLASTIC IP BV ; SABIC INNOVATIVE PLASTICS IP ; SABIC GLOBAL TECHNOLOGIES BV ; LAKE DEREK ; MORIZUR JEAN FRANCOIS ; SABIC GLOBAL TECH BV

Inventor(s): (std): SYBERT PAUL DEAN ; MORIZUR JEAN FRANCOIS ; LAKE DEREK ; HOOVER JAMES FRANKLIN ; JOHNSON PETER ; FLORES AMANDA ; EVANS THOMAS L ; FLORES AMANDA MARIE ; FRAZEE ANDREW ; HOOVER JAMES FRANCKLIN ; FRAZEE ANDRE

Inventor(s): SYBERT PAUL DEAN MT VERNON ; MORIZUR JEAN FRANCOIS MT VERNON ; JOHNSON PETER MT VERNON ; EVANS THOMAS L MT VERNON ; HOOVER JAMES FRANCKLIN MT VERNON ; FLORES AMANDA MARIE MT VERNON

Agent(s): MODIANO MICHAELA NADIA; RICHARD M; FAY SHARPE LLP; CANTOR COLBURN LLP; WU WANLI; REIMER LEAH M; CURBELO PAMELA J

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 IR 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

3) Family number: 43358086 (CA2611533A)

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Title: NEW ENERGY, METHODS/TECHNIQUES/PROCESSES USED TO PRODUCE VARIOUS PRODUCTS TECHNOLOGIES

Abstract: Several method of Microwave assisted extraction of oils that we will use on oil/tar sands and/or refuse plastic and/or rubber (eg. tires), bituminous coal, and/or biomass, and/or kerosene and/or naphtha and/or propane and/or oil/tar sands with corn, eucalyptus, oil palm, and coconuts, maize, jatropha and other possibilities algae bagasse, miscanthus, sugar beet, sorghum, grain sorghum, switchgrass, barley, hemp, kenaf, potatoes, sweet potatoes, cassava, sunflower, fruit, molasses, corn, stover, grain, wheat, straw, cotton, other biomass. One method/process add a non-aqueous organic extractant to the source materi al (with a some content that absorbs microwave radiation and mixing it with a solvent that is transparent to microwave radiation) and there is our newly invented tumbler to expose the mixture to microwave radiation. Then suddenly raise the temperature via microwave, cool it down (that is has a more concentrated source of volatile oils), add more source material and alternate back and forth (heat - cool). Co-solvents (dipole moment), some of which are, alkanes, hexane, carbon tetrachloride, liquid CO2... (don't heat that much from microwaves and are microwave transparent) so the source material (heats up and releases oils) and the oils are cooled as they are released into the non-aqueous organic. For source materials that need rehydration we can u se ethanol, methanol, saline solutions, and other mixture of solvents. Other methods, is to suddenly raise the temperature via microwaves and apply pressure until the source material's boundaries explodes. The microwave-transparent extraction medium cools the substance that flows out of the source material. Extracants can be used singly, mixed or in a series (continuous). For the oil/tar sands in addition to hexane we plan to add deionized water. We may use impregnation of saline solution (eg. KCL). To extract plastic from garbage land fills and real time collections or processing we: 1. Run agitated water to loosen the organic material, possibly use a tumbler to unstuck and remove caked together materials. 2. Then further loosen and sifts larger pieces from smaller (biodegradable material; less durable, unlike plastic and metal of which are very durable and the larger pieces are of more economical use to us) by a grate the horizontally spins spilling out the smaller pieces and possibly. 3. Finally we run the processed material down an assembly line to separate plastic form metal. 4. We could use mixers of some type using flexible spatula like (spinning) blades that will tear large any pieces of less durable materials such as cardboard, while leaving hunks of plastic (largely) undamaged. 5. We could use Artificial Intelligence or sorter with a remote camera that decides if the material's contents are made up of what, such as cardboard versus plastic. I f there is cardboard (probably torn by the spatula mixer into smaller pieces) the batch could be re-agitated with water and possibly the tumbler and the grate again 6. The sorting in the assembly line work can done by automated (eg. robots r un by Artificial Intelligence) to sort between, plastic, glass and metal versus toxic components of for example of computers.

Classifications:

International (IPC 8-9): A23D9/00 B01J19/12 B09B3/00 B29B17/02 C10C3/08 C10G1/04 C10G32/04 C11D1/10

C12P19/00 (Advanced/Invention);

C12P7/10 (Advanced/Non-invention)

CPC: B09C1/02 C10G1/04 C10G1/10 C10G21/12 C10G32/02 C11B1/10 Y02E50/16

European: B09C1/02 C10G1/04 C10G1/10 C10G21/12 C10G32/02 C11B1/10 Y02E50/16

Family:

Publication number	Publication date	Application number	Application date
CA2611533 AA	20090527	CA20072611533	20071127

Priority:

CA20072611533 20071127

Probable Assignee: VOON GERARD G V

Assignee(s): (std): VOON GERARD G V

Inventor(s): (std): VOON GERARD

4) Family number: 32620101 (US2007166320A)

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Title: AGENT FOR PREVENTING/AMELIORATING DIABETES AND FUNCTIONAL FOOD FOR PREVENTING/AMELIORATING DIABETES

Abstract: It is an object of the present invention to provide an agent for preventing/ameliorating diabetes mellitus in which the agent has an effect of suppressing an increase in blood glucose level, and to provide a functional food containing the agent for preventing/ameliorating diabetes mellitus and having an effect of preventing/ameliorating diabetes mellitus. A dry powder, a dried substance, or a hot-water extract solution of a dry powder of dried tea tree mushroom (Agrocybe aegerita (Brig.) Sing) fruit body, which has been artificially cultivated in a fungus bed, is administered. A functional food of preventing/ameliorating diabetes mellitus is prepared by using, as part of food raw materials, a dry powder or a dried substance of dried tea tree mushroom fruit

body, or a hot-water extract solution of the dry powder.

Classifications:

International (IPC 8-9): A23F3/14 A23G3/00 A23G3/34 A23L1/212 A23L1/217 A23L1/28 A23L1/30 A23L2/38 A23L2/52 A61K33/32 A61K36/00 A61K36/06 A61K36/07 A61K36/16 A61K36/18 A61K36/45 A61K36/906 A61K9/14 A61K9/16 A61K9/20 A61K9/48 A61P3/08 A61P3/10 A61P43/00 (Advanced/Invention); A23F3/06 A23G3/00 A23G3/34 A23L1/212 A23L1/28 A23L1/30 A23L2/38 A23L2/52 A61K33/32 A61K36/06 A61K36/16 A61K36/185 A61K36/88 A61K9/14 A61K9/16 A61K9/20 A61K9/48 A61P3/00 (Core/Invention)

International (IPC 1-7): A23F3/14 A23G3/00 A23L1/212 A23L1/30 A61K35/84 A61K9/14 A61K9/16 A61K9/20 A61K9/48 A61P3/10
CPC: A23L31/00 A23L33/105 A61K38/28 A23F3/163 A23G3/48 A23V2002/00 A61K36/06 A61K36/07 A61K36/82 A61K36/88 A23L7/00 A23L9/00 A23L21/00 A23L33/125

European: A23F3/16B A23F5/14 A23G3/48 A23L1/28 A23L1/30B A61K36/06 A61K36/07 A61K36/82 A61K36/88 A61K38/28 K23V2/00
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JP F-Index: A23G3/00/101 A23G3/34/101 A23G3/36 A23L1/212/101 A23L1/217 A23L1/30/B A23L19/00/101 A23L19/18 A23L2/00/F A23L2/38/H A23L2/52 A23L33/105 A23L33/135 A61K35/78/C A61K35/78/W A61K35/84/A A61K36/07 A61K36/16 A61K36/185 A61K36/45 A61K36/535 A61K36/605 A61K36/9066 A61P3/08 A61P3/10 A61P43/00/121 A23G3/00 A23G3/52 A23L1/28/Z A23L2/70 A23L2/84 A23L31/00

Family:

Publication number	Publication date	Application number	Application date
CN101010090 A	20070801	CN200580026832	20050815
JP2006016701 A1	20080501	JP20060531793T	20050815
JP2007075125 A2	20070329	JP20060335052	20061212
JP3938595 B1	20070627	JP20060531793T	20050815
JP3938595 B2	20070627	JP20060531793T	20050815
US2007166320 AA	20070719	US20050573565	20050815
WO06016701 A1	20060216	WO2005JP14908	20050815

Priority:

JP20040235913 20040813 JP20060531793 20050815 WO2005JP14908 20050815
JP20060335052 20061212

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Assignee(s): (std): KODAKA ISAMU ; NAKAGAWA EIICHI ; ODAKA ISAMU ; YAMAZAKI KAZUO

Inventor(s): (std): EIICHI YAMAZAKI KAZUO NAKAGAWA ; YAMAZAKI KAZUO ; NAKAGAWA EIICHI

Inventor(s): YAMAZAKI KAZUO NAKAGAWA EIICHI

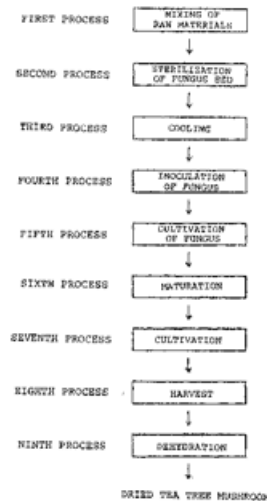
Agent(s): HIROTA MASANORI; MORGAN AND FINNEGAN LLP

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

PatBase - US2007166320_AA

Patent Application Publication Jul 19, 2007 Sheet 1 of 4 US 2007/066320 A1

[Figure 1]



5) Family number: 51297127 (US2014079686A)

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Title: METHODS FOR TREATING BALDNESS AND PROMOTING HAIR GROWTH

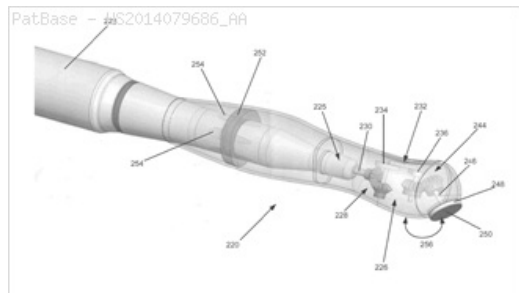
Abstract: The invention relates to methods of treating baldness, treating alopecia, promoting hair growth, and/or promoting hair follicle development and/or activation or stimulation on an area of the skin of a subject (for example, a human) by subjecting said area of the skin to integumental perturbation. Integumental perturbation can be used in combination with other treatments for promoting hair growth. The invention provides devices for integumental perturbation for promoting hair growth, and provides pharmaceutical compositions for use in combination with integumental perturbation for promoting hair growth.

Classifications:

International (IPC 8-9): A01N59/22 A61B17/00 A61B17/3205 A61K A61K31/506 A61K31/5575 A61K38/48 A61K45/00 A61K8/00 A61K8/37 A61K8/42 A61K8/46 A61K8/49 A61K8/63 A61M A61M37/00 A61P17/14 A61Q7/00 (Advanced/Invention); A61K A61M A61P (Subclass/Invention)

CPC: A61K8/63 A61K8/69 A61K2800/884 A61Q7/00 A61K9/0014 A61K9/06 A61K9/7007 A61K31/351 A61K33/00 A61K47/06 A61M37/00 A61K38/4893 A61K8/4953 A45D2200/1054 A61B17/54 A61B2017/00761 A61B2017/00747 A61B17/00491 A61B2017/00398 A61B2017/00495 A61B2017/00734 A61B2017/320004 A61H7/005 A61H2201/1215 A61H2201/1604 A61H2201/1671 A61H2205/021 A61H23/0245 A61H2201/10 A61H2201/105 A61N2005/067 A61B18/203

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4C083/AD15 4C083/AD27 4C083/AD30 4C083/AD32 4C083/AD33
4C083/AD43 4C083/AD49 4C083/AD51 4C083/AD53 4C083/AD57
4C083/BB53 4C083/CC37 4C083/DD14 4C083/DD33 4C083/DD41
4C083/DD45 4C083/EE22 4C160 4C160/MM11 4C160/MM22
JP F-Index: A61B17/00/310 A61K8/42 A61K8/46 A61K8/49 A61K8/63
A61Q7/00 A61B17/3205



Family:

Publication number	Publication date	Application number	Application date
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AU2017203471 AA	20170608	AU20170203471	20170524
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EP2648676 A4	20160504	EP20110847079	20111206
EP3178465 A1	20170614	EP20160195263	20111206
IL226699 A0	20130829	IL20110226699	20111206
IL226699 A1	20171031	IL20110226699	20111206
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JP2014500275 T2	20140109	JP20130543279T	20111206
JP2017081962 A2	20170518	JP20160251906	20161226
JP2019131558 A2	20190808	JP20190036175	20190228
US2014079686 AA	20140320	US20110991874	20111206
WO12078649 A1	20120614	WO2011US63557	20111206
WO12125941 A1	20120920	WO2012US29475	20120316

Priority:

US20100420282P	20101206	US20110453919P	20110317	US20110453902P	20110317
US20110453895P	20110317	US20110453848P	20110317	US20110453746P	20110317
US20110478689P	20110425	US20110513906P	20110801	US20110525589P	20110819
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EP20110847079	20111206	JP20160251906	20111206	WO2011US63557	20111206
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AU20170203471	20170524	AU20180226435	20180905		

Probable Assignee: FOLLICA INC

Assignee(s): (std): BARMAN SHIKHA P ; FOLLICA INC ; JU WILLIAM D ; KELLOGG SCOTT C ; LEDERMAN SETH ; OSBAKKEN MARY ; PROUTY STEPHEN M ; SCHINAZI ALAN D ; SCHWEIGER ERIC

Assignee(s): LIGHTHOUSE CAPITAL PARTNERS VI LP

Inventor(s): (std): BARMAN SHIKHA P ; OSBAKKEN MARY ; PROUTY STEPHEN M ; KELLOGG SCOTT C ; LEDERMAN SETH ; SCHINAZI ALAN D ; JU WILLIAM D ; SCHWEIGER ERIC ; ERIC SCHWEIGER ; MARY OSBAKKEN ; SCOTT C KELLOGG ; SHIKHA P BARMAN ; STEPHEN M PROUTY ; ALAN D SCHINAZI ; SETH LEDERMAN ; WILLIAM D JU

Agent(s): FB RICE; FB RICE PTY LTD; OSLER HOSKIN AND HARCOURT LLP; BEZZUBOVA OLGA; JONES DAY; DR SHLOMO COHEN AND CO; HARAKENZO WORLD PATENT AND TRADEMARK; INSOGNA ANTHONY M ET AL; CORUZZI LAURA A ET AL

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 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 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

6) Family number: 57424151 (US2014272691A)

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Title: PHOTOACTIVE ADDITIVE WITH FUNCTIONALIZED BENZOPHENONE

Abstract: Photoactive additives are disclosed. The additive includes a benzophenone having at least one substituent that comprises a divalent linker and a linking group, wherein the linking group is a carboxyl group, ester group, or acid halide group. The additive can be a polymer, an oligomer, or a compound. When added to a base polymeric resin, the photoactive additive permits crosslinking upon exposure to ultraviolet light.

Classifications:

International (IPC 8-9): A61L2/08 A61L24/00 B29C71/04 C08F2/50

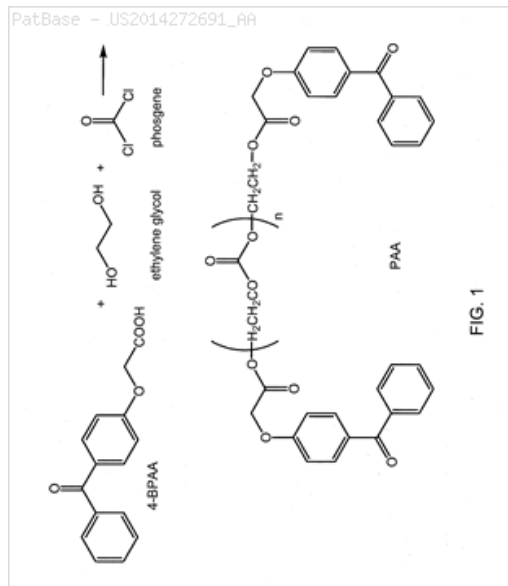
C08G61/04 C08G64/02 C08G64/14 C08G64/16 C08L69/00

G03F7/027 (Advanced/Invention)

CPC: G03F7/027 C08G64/0216 C08G64/14 C08G64/1616 C08L69/00

C08L101/00

US: 1/1 428/220 430/18 430/281.1 430/322 562/460



Family:

Publication number	Publication date	Application number	Application date
DE602014024441 D1	20180524	DE201460024441T	20140314
EP2970575 A1	20160120	EP20140721109	20140314
EP2970575 B1	20180425	EP20140721109	20140314
US2014272691 AA	20140918	US20140211862	20140314
US9110370 BB	20150818	US20140211862	20140314
WO14152881 A1	20140925	WO2014US28101	20140314

Priority:

US20130781668P 20130314	US20130901612P 20131108	EP20140721109 20140314
US20140211862 20140314	WO2014US28101 20140314	

Probable Assignee: SABIC GLOBAL TECHNOLOGIES BV

Assignee(s): (std): MORIZUR JEAN FRANCOIS ; SABIC GLOBAL TECHNOLOGIES BV ; SABIC INNOVATIVE PLASTICS IP

Assignee(s): SABIC INNOVATIVE PLASTICS IP BV

Inventor(s): (std): CALVERAS JORDI ; MORIZUR JEAN FRANCOIS ; SYBERT PAUL DEAN

Inventor(s): MORIZUR JEAN FRANCOIS MT VERNON ; SYBERT PAUL DEAN MT VERNON ; CALVERAS JORDI MT VERNON

Agent(s): MODIANO MICAELA NADIA; RICHARD M; FAY SHARPE LLP; CURBELO PAMELA J

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 IR 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

7) Family number: 33191155 (US2006177661A)

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Title: COMPOSITION AND METHOD FOR MAKING A PROPPANT

Abstract: The present invention relates to proppants which can be used to prop open subterranean formation fractions. Proppant formulations are further disclosed which use one or more proppants of the present invention. Methods to prop open subterranean formation fractions are further disclosed. In addition, other uses for the proppants of the present invention are further disclosed, as well as methods of making the proppants.

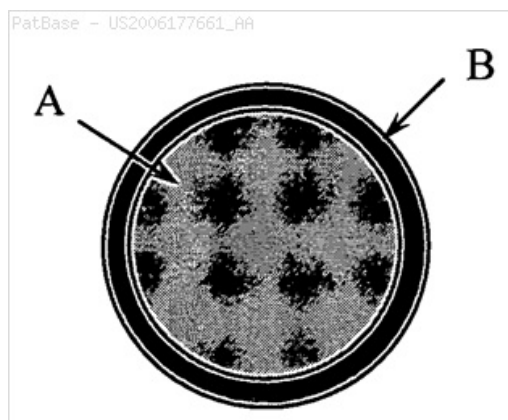
Classifications:

International (IPC 8-9): B01J2/00 B05D7/00 B32B1/00 B32B15/02 B32B17/02 B32B23/02 B32B5/16 B32B5/66 C04B C04B14/02 C04B38/00 C09K C09K8/60 C09K8/64 C09K8/80 E21B43/00 E21B43/04 E21B43/267 H05B6/64 (Advanced/Invention); B82Y30/00 (Advanced/Non-invention); B05D7/00 B32B1/00 B32B15/02 B32B17/02 B32B5/16 C04B38/00 C09K8/60 E21B43/02 E21B43/25 (Core/Invention); C04B C09K (Subclass/Invention)

International (IPC 1-7): C09K7/00 C09K7/08 C09K8/80 E21B43/04 E21B43/26

CPC: Y10T428/2982 Y10T428/2991 Y10T428/2993 Y10T428/2995 Y10T428/2996 B01J13/02 B01J13/206 Y10T428/25 Y10T428/2998 C04B35/56 C04B35/58 C04B35/62218 C04B35/624 C04B35/62655 C04B35/62665 C04B35/62807 C04B35/62823 C04B35/62886 C04B35/62897 C04B35/78 C04B35/80 C04B38/02 C04B38/04 C04B38/0655 C04B2235/3217 C04B2235/5276 C04B2235/528 C04B2235/5296 C04B2235/96 Y02W30/92 C04B18/082 C04B35/10 C04B35/14 C04B35/18 C04B35/44 C04B35/48 C04B35/50 C04B35/505 C09K8/64 C09K8/66 C04B38/009 C04B35/04 C04B35/628 C04B35/6281 C04B35/62813 C04B2235/3222 C04B2235/3418 C09K8/80 C09K8/805

European: B01J13/02 B01J13/20D C04B18/08B C04B35/04 C04B35/10 C04B35/14 C04B35/18 C04B35/44 C04B35/48 C04B35/50 C04B35/505 C04B35/56 C04B35/58 C04B35/622B C04B35/624 C04B35/626A16F C04B35/626A16H C04B35/628



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C04B38/00P C04B38/02 C04B38/04 C04B38/06F2D2P C09K8/64 C09K8/66 C09K8/80 C09K8/80B M04B235/32F M04B235/32F40
M04B235/34D M04B235/52F M04B235/52H M04B235/52R M04B235/96
US: 166/280.1 166/280.100P 166/280.100S 166/280.2 166/280.200P 166/280.200S 210/747 210/747S 219/678 219/678S 264/7
264/7S 264/8 264/8S 427/212 427/212S 427/213.3 427/213.31 427/215 427/216 427/216S 428/323 428/323P 428/402 428/402P
428/403 428/403P 428/403S 428/404 428/404S 428/405 428/406 428/407 428/407S 507/203 507/203S 507/269 507/269S
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Family:

Publication number	Publication date	Application number	Application date
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AR062170 AA	20081022	AR2007P103388	20070801
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CN101522856 B	20150506	CN200780036785	20070709
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US8603578 BB	20131210	US20120623202	20120920
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Priority:

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Probable Assignee: HALLIBURTON CO

Assignee(s): (std): BARRON ANDREW R ; BORDIA RAJ ; BORDIA RAJENDRA ; BORDIA RAJENDRA K ; COKER CHRISTOPHER E ; SMITH RUSSELL J ; LOSCUTOVA JOHN R ; COSTANTINO STEPHEN A ; OXANE MATERIALS INC ; SKALA ROBERT D ; OXANE MATERIALS ; HALLIBURTON ENERGY SERVICES INC ; OXANE MAT INC ; HALLIBURTON CO ; WHITSITT ELIZABETH A ; WIESNER MARK ; WEISNER MARK

Assignee(s): HALLIBURTON ENERGY SERVICES INC HOUSTON ; DELTA CENTAURI LLC ; COMERICA BANK A TEXAS BANKING ASSOCIATION ; COMERICA BANK

Inventor(s): (std): SMITH RUSSELL J ; LOSCUTOVA JOHN R ; WHITSITT ELIZABETH A ; COKER CHRISTOPHER E ; BARRON ANDREW R ; WIESNER MARK ; COSTANTINO STEPHEN A ; BORDIA RAJENDRA K ; WEISNER MARK ; BORDIA RAJ ; BORDIA RAJENDRA ; SKALA ROBERT D ; CONSTANTINO STEPHEN A ; SMITH RUSSEL J ; RAJENDRA BORDIA ; MARK WIESNER ; BORDIA RAJENDRA KUMAR ; WHITSTT ELIZABETH ; LOSCUTOVA JOHN ; SMITH RUSSELL ; COKER CHRISTOPHER ; COSTANTINO STEPHEN ; BARRON ANDREW ; WHITSITT ELIZABETH ; SMITH RUSSELL JR ; SMITH RUSSELL JAMES ; BORDIA RAJENDRDA ; OXANE MATERIALS INC

Inventor(s): SAKALA ROBERT D ; ELIZABETH WHITSTT ; SKALA ROBERT ; SMITH RUSSELL J HOUSTON ; COKER CHRISTOPHER E HOUSTON ; BARRON ANDREW R HOUSTON ; BORDIA RAJENDRA SEATTLE ; COSTANTINO STEPHEN A READING ; WIESNER MARK RALEIGH ; LOSCUTOVA JOHN R HOUSTON ; WHITSITT ELIZABETH A HOUSTON ; SKALA ROBERT D KATY ; SMITH RUSSELL J ROGERS ; WEISNER MARK RALEIGH ; BORDIA RAJ SEATTLE ; STEPHEN A CONSTANTINO ; RAJENDRA KUMAR BORDIA ; ROBERT D SKALA ; RUSSELL SMITH JR ; RUSSELL J SMITH ; ELIZABETH A WHITSITT ; RAJ BORDIA ; STEPHEN A COSTANTINO ; ANDREW R BARRON ; CHRISTOPHER E COKER ; MARK WEISNER ; JOHN R LOSCUTOVA

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; DIMOCK STRATTON LLP; WILSON LUE LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; ABU GAZALEH INTELLECTUAL PROPERTY LLC; LIU SHEN AND ASSOCIATES; KILYK AND BOWERSOX PLLC; KILYK LUKE A

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 ME 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 YU ZA ZM ZW

8) Family number: 57414200 (US2014275321A)

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Title: PHOTOACTIVE ADDITIVES WITH PHOTOACTIVE MONOMERS AND ENDCAPS

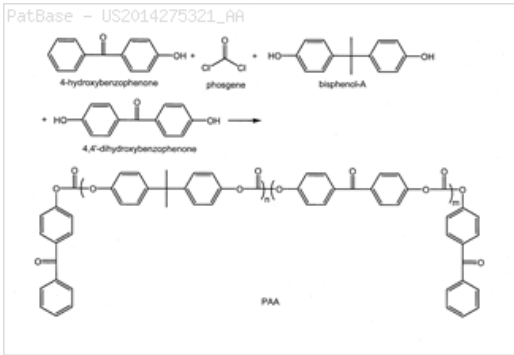
Abstract: Photoactive additives, such as cross-linkable polycarbonate resins, are disclosed. The additive is formed from the reaction of a monohydroxybenzophenone, a dihydroxybenzophenone, a diol chain extender, and one or more linker moieties having functional groups that react with the phenolic groups on the other ingredients. If desired, a secondary linker moiety and/or an end-capping agent can be used. When added to a base polymeric resin, the photoactive additive permits crosslinking when exposed to ultraviolet light.

Classifications:

International (IPC 8-9): C08G64/06 C08G64/14 C08G64/16 C08G64/24 C08G64/38 C08J7/12 C08K5/42 C08L69/00 (Advanced/Invention)

CPC: C08G64/06 C08K5/42 C08L69/00 C08G64/14 C08J7/123 C08G64/24

US: 1/1 428/220 522/111 522/178 524/163 524/165 524/592 525/469 528/125 528/128



Family:

Publication number	Publication date	Application number	Application date
CN105073830 A	20151118	CN201480014540	20140313
CN105143304 A	20151209	CN201480013176	20140313
DE602014019817 D1	20180215	DE201460019817T	20140313
EP2970579 A1	20160120	EP20140717601	20140313
EP2970579 B1	20180110	EP20140717601	20140313
EP2970580 A1	20160120	EP20140718849	20140313
EP3225645 A1	20171004	EP20170170119	20140313
EP3225645 B1	20190807	EP20170170119	20140313
US2014275321 AA	20140918	US20140209735	20140313
US2014275324 AA	20140918	US20140209628	20140313
US9422395 BB	20160823	US20140209628	20140313
US9751980 BB	20170905	US20140209735	20140313

WO14160340 A1	20141002	WO2014US26346	20140313
WO14160366 A1	20141002	WO2014US26401	20140313

Priority:

US20130780222P 20130313 EP20140717601 20140313 US20140209628 20140313
US20140209735 20140313 WO2014US26346 20140313 WO2014US26401 20140313

Probable Assignee: SABIC GLOBAL TECHNOLOGIES BV

Assignee(s): (std): MORIZUR JEAN FRANCOIS ; SABIC GLOBAL TECH BV ; SABIC GLOBAL TECHNOLOGIES BV ; SABIC INNOVATIVE PLASTICS IP ; SABIC INNOVATIVE PLASTICS IP BV

Inventor(s): (std): SYBERT PAUL DEAN ; MORIZUR JEAN FRANCOIS ; EVANS THOMAS L ; FLORES AMANDA MARIE ; HOOVER JAMES FRANKLIN ; JOHNNON PETER ; JOHNSON PETER

Inventor(s): MORIZUR JEAN FRANCOIS MT VERNON ; SYBERT PAUL DEAN MT VERNON

Agent(s): MODIANO MICAELA NADIA; RICHARD M; FAY SHARPE LLP; CURBELO PAMELA J

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 IR IS IT JP KE KG KM KN KP KR KS 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

9) Family number: 30065251 (US2003006144A)

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Title: ELECTROLYSIS CELL FOR GENERATING CHLORINE DIOXIDE

Abstract: A method for making chlorine dioxide, by passing an aqueous feed solution comprising sodium chlorite into a non-membrane electrolysis cell comprising an anode and a cathode, adjacent to the anode, while flowing electrical current between the anode and the cathode to electrolyze the aqueous feed solution and convert the halogen dioxide salt to halogen dioxide. The anode is preferably a porous anode through which the aqueous feed solution passes to maximize the conversion of chlorite to chlorine dioxide.

Classifications:

International (IPC 8-9): A47L15/00 A47L15/42 A47L15/44 A61L2/03 A61L2/18 B01D39/16 B01D39/20 B08B3/00 B08B7/04 B08B9/20 C01B7/00 C01B7/01 C02F1/42 C02F1/46 C02F1/461 C02F1/467 C02F1/76 C11D1/72 C11D11/00 C11D17/00 C11D17/04 C11D17/06 C11D17/08 C11D3/02 C11D3/06 C11D3/08 C11D3/10 C11D3/20 C11D3/33 C11D3/37 C11D3/386 C11D3/39 C11D3/395 C11D3/48 C11D3/50 C11D7/10 C25B1/26 C25B1/30 C25B11/03 C25B11/04 C25B15/00 C25B15/02 C25B15/08 C25B9/00 C25B9/04 C25B9/06 C25D17/00 D06F35/00 D06F39/02 E04H4/12 (Advanced/Invention); C02F1/28 C02F1/42 C02F1/461 C02F1/467 C02F9/00 C25B1/26 (Advanced/Non-invention);

A47L15/00 A47L15/42 A61L2/02 C02F1/461 C11D11/00 C11D17/00 C11D3/02 C11D3/38 C11D3/395 C25B1/00 C25B15/00 D06F35/00 (Core/Invention); C02F1/28 C02F1/42 C02F9/00 (Core/Non-invention)

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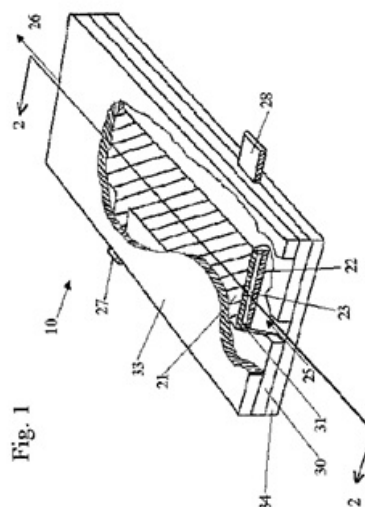
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US: 134/111 134/111S 134/113 134/113S 134/115 134/115.00RS 134/115R 134/18 134/18P 134/18S 134/25.2 134/25.200P 134/25.200S 134/26 134/26S 134/4 134/40 134/40S 134/42 134/42S 134/57 134/57.00DS 134/57D 134/58.00D 134/58.00DP 134/58D 134/93 134/93S 134/95.2 134/95.200S 134/99.2 134/99.200S 204/228.1 204/228.6 204/229.2 204/229.4 204/229.6 204/232 204/237 204/238 204/242 204/242S 204/271 204/275.1 204/275.100P 204/275.100S 204/276 204/278.5 204/278.500S 205/499 205/500 205/500S 205/556 205/618 205/701 205/742 205/742S 205/744 205/744S 206/524.1 206/524.100S 510/218 510/218S 510/220 510/224 510/224S 510/226 510/226S 510/298 510/367 510/375 510/379 510/380 510/382 510/445 510/446 510/480 510/514

JP F-Term: 4D019 4D019/AA03 4D019/BA03 4D019/BA13 4D019/BB01 4D019/BD01 4D019/CB04 4D025 4D025/AA02 4D025/AA03 4D025/AA06 4D025/AA09 4D025/AB19 4D025/BA08 4D025/BB02 4D025/BB07 4D025/DA06 4D025/DA08 4D050 4D050/AA01 4D050/AA02 4D050/AA04 4D050/AA08 4D050/AA10 4D050/AA12 4D050/AB06 4D050/BB02 4D050/BB04 4D050/BB06 4D050/BB09 4D050/CA08 4D050/CA10 4D050/CA15 4D061 4D061/DA01 4D061/DA02 4D061/DA03 4D061/DA05 4D061/DA07 4D061/DA08 4D061/DB01 4D061/DB10 4D061/DB15 4D061/DC24 4D061/EA03 4D061/EB04 4D061/EB14 4D061/EB17 4D061/EB18 4D061/EB19 4D061/EB28 4D061/EB30 4D061/EB31 4D061/EB35 4D061/EB37 4D061/EB40 4D061/ED13 4D061/FA08 4D061/FA13 4D061/GA04 4K011 4K011/AA11 4K011/AA15 4K011/AA21 4K011/AA30 4K011/CA04 4K011/DA01 4K011/DA03 4K021 4K021/AA01 4K021/BA09 4K021/BB01 4K021/BB03 4K021/BC01 4K021/BC07 4K021/CA01 4K021/CA05 4K021/DB04 4K021/DB10 4K021/DB40 4K021/DC07 4K011/AA16 4K011/AA17 4K011/AA18 4K011/AA22

PatBase - US2003006144_AA

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4K011/AA23 4K011/AA32 4K011/BA07 4K011/DA02 4K021/AB06 4K021/AB09 4K021/AB10 4K021/AB11 4K021/BA01 4K021/BA03 4K021/DA03 4K021/DA09 4K021/DC15 3B082 3B082/CC00 3B155 3B155/AA15 3B155/AA17 3B155/AA21 3B155/BA02 3B155/CB42 3B155/CD11 3B166 3B168 4D061/EA02 4D061/EB02 4D061/EB27 4D061/EB38 4D061/ED12 4D061/GB30 4H003 4H003/DA19 4H003/ED02 4H003/FA28 4H003/FA34 4C058 4C058/AA06 4C058/BB07 4C058/DD02 4C058/EE26 4C058/JJ07 4D061/DB09 4D061/GA21 4D061/GA22 4K021/AB07 4K021/BA17 4K021/DA13 3B082/CC02 3B082/CC05 4H003/BA12 4H003/DC01 4H003/EC01 4H003/EC02 4H003/EE08 4H003/AC08 4H003/BA01 4H003/BA09 4H003/BA15 4H003/BA17 4H003/BA18 4H003/EA09 4H003/EA12 4H003/EA16 4H003/EB07 4H003/EB08 4H003/EB13 4H003/EB16 4H003/EB24 4H003/EB30 4H003/EE05 4H003/EE07 4H003/FA07 4H003/FA16 4H003/FA26 4H003/FA43

JP F-Index: B01D39/16/Z B01D39/20/C C02F1/42/A C02F1/46/Z C02F1/467 C02F1/76/A C25B1/26/C C25B11/03 C25B11/04/Z C25B15/02/302 C25B15/08/302 C25B9/00/B C25B9/04/302 C25B1/26/B A47L15/42/D C02F1/461/Z C11D17/00 C11D3/48 D06F35/00/Z D06F39/02/Z A47L15/44 A61L101/02 A61L101/06 A61L101/10 A61L101/22 A61L2/18 A61L2/18/100 A61L2/18/102 A61L2/24 C11D17/08 C11D3/386 C11D3/395 A47L15/00/Z C11D1/72 C11D17/04 C11D17/06 C11D3/02 C11D3/06 C11D3/08 C11D3/20 C11D3/33 C11D3/37 C11D3/50

Family:

Publication number	Publication date	Application number	Application date
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Priority:

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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 CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ 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 NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

10) Family number: 29319265 (US4526920A)

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Title: Curable coating composition containing acryloyl or methacryloyl cyanurate or isocyanurate compound, cured composition therefrom, and process for producing articles by using the curable composition

Abstract: In a curable coating composition comprising an acryloyl or methacryloyl cyanurate or isocyanurate compound, an acrylic or methacrylic ester compound and a polymerization initiator capable of curing said components; the improvement wherein said composition is composed of (A) 100 parts by weight of an acryloyl- or methacryloyl-oxyalkyl cyanurate or isocyanurate compound of the following formula (I) or (I)' (I) or (I)' wherein X¹, X², X³, R¹, R² and R³ are defined in claim 1 (B) more than 0 to 1,000 parts by weight of a component selected from the group consisting of (b1) a polyacrylate or polymethacrylate with a number average molecular weight of about 240 to about 3,000 of an oxy- or polyoxy-alkanepolyol containing 1 or more ether linkages and 3 or more hydroxyl groups per molecule, and (b2) a poly(meth)acrylate of an alkanepolyol having 4 or more hydroxyl groups per molecule. (C) 0.01 to 20 parts by weight, per 100 parts by weight of the components (A) and (B) combined, of a polymerization initiator capable of curing said components, and (D) 0 to 200 parts by weight per 100 parts by weight of the components (A) and (B), of an inorganic solid filler.

Classifications:

International (IPC 8-9): C08F2/00 C08F2/48 C08F20/00 C08F20/10 C08F20/26 C08F20/34 C08F220/28 C08F220/36 C08F290/00 C08F299/02 C09D4/00 (Advanced/Invention); C08F2/00 C08F2/46 C08F20/00 C08F220/00 C08F290/00 C08F299/00 C09D4/00 (Core/Invention)

International (IPC 1-7): C08F2/44 C08F220/00 C08F220/28 C08F220/36 C08F226/06 C08F299/02 C08K3/00 C09D3/80 C09D4/02

CPC: C09D4/00

European: C09D4/00

US: 522/166 522/167 522/42 522/78 522/79 522/83 524/548 524/850 526/261

JP F-Term: 4J011 4J011/QA03 4J011/QA08 4J011/QA12 4J011/QA17 4J011/QA22 4J011/QA32 4J011/QA33 4J011/QA34 4J011/QA39 4J011/QB14 4J011/QB15 4J011/QB19 4J011/QB24 4J011/QC03 4J011/QC10 4J011/RA03 4J011/SA01 4J011/SA21 4J011/SA31 4J011/SA41 4J011/SA51 4J011/SA90 4J011/TA01 4J011/TA02 4J011/TA03 4J011/TA06 4J011/TA07 4J011/TA08 4J011/TA09 4J011/TA10 4J011/UA01 4J011/UA06 4J011/UA08 4J011/UA10 4J011/VA01 4J011/VA06 4J011/VA07 4J011/VA08 4J011/VA09 4J011/VA10 4J011/XA02 4J014 4J014/AA03 4J014/AA08 4J014/AA12 4J014/AA17 4J014/AA22 4J014/AA32 4J014/AA33 4J014/AA34 4J014/AA39 4J014/AB14 4J014/AB15 4J014/AB19 4J014/AB24 4J014/AC03 4J014/AC10 4J014/BA03 4J014/CA01 4J014/CA21 4J014/CA31 4J014/CA41 4J014/CA51 4J014/CA90 4J014/DA01 4J014/DA02 4J014/DA03 4J014/DA06 4J014/DA07 4J014/DA08 4J014/DA09 4J014/DA10 4J014/EA01 4J014/EA06 4J014/EA08 4J014/EA10 4J014/FA01 4J014/FA06 4J014/GA01 4J014/GA02 4J014/GA04 4J014/GA07 4J014/GA10 4J014/HA02 4J023 4J023/BA12 4J023/BA22 4J023/BC03 4J023/BC04 4J023/BC23 4J023/BC37 4J023/EA01 4J023/FA45 4J023/FA48 4J023/FA49 4J023/GA03 4J023/GA04 4J023/GA05 4J023/GA06 4J023/GA08 4J023/GA10 4J023/GA14 4J023/GA19 4J023/GA20 4J023/HA05 4J023/HA07 4J023/HA10 4J027 4J027/AB36 4J027/AG36 4J027/BA07 4J027/BA23 4J027/BA24 4J027/BA26 4J027/BA27 4J027/BA28 4J027/CA14 4J027/CA18 4J027/CA19 4J027/CA36 4J027/CB03 4J027/CB09 4J027/CB10 4J027/CC02 4J027/CC05 4J027/CD08 4J038 4J038/FA15/1 4J038/FA15/2 4J038/FA17/1 4J038/FA17/2 4J038/HA44/6 4J038/HA48/6 4J038/HA53/6 4J038/HA54/6 4J038/HA55/6 4J038/JA16 4J038/JA33 4J038/JA34 4J038/JA44 4J038/JA66 4J038/JB23 4J038/JC30 4J038/JC31 4J038/JC38 4J038/KA03 4J038/KA08 4J038/KA15 4J038/KA20 4J038/MA07 4J038/MA08 4J038/MA09 4J038/MA10 4J038/MA14 4J038/NA01 4J038/NA03 4J038/NA04 4J038/NA11 4J038/NA12 4J038/NA14 4J038/PA17 4J038/PA18 4J038/PA19 4J038/PA19 4J038/PC08 4J100 4J100/AL67/Q 4J100/AQ19/P 4J100/AQ21/P 4J100/BA02/P 4J100/BA02/Q 4J100/BA03/P 4J100/BA03/Q 4J100/BA05/P 4J100/BA06/P 4J100/BA08/P 4J100/CA04 4J100/DA22 4J100/DA36 4J100/DA44 4J100/DA47 4J100/DA48 4J100/DA62 4J100/DA63 4J100/DA64 4J100/FA03 4J100/JA01 4J100/JA28 4J100/JA32 4J100/JA33 4J100/JA36 4J100/JA43 4J100/JA51 4J100/JA57 4J100/JA58 4J100/JA64

JP F-Index: C08F2/00 C08F2/48 C08F20/00 C08F20/10 C08F20/26 C08F20/34 C08F220/28 C08F220/36 C09D3/727 C09D4/00

JP Facet: MDJ MMK MMV MMW PDV

Family:

Publication number	Publication date	Application number	Application date
DE3371094 D1	19870527	DE19833371094	19830804
EP0100688 A2	19840215	EP19830304518	19830804
EP0100688 A3	19841227	EP19830304518	19830804
EP0100688 B1	19870422	EP19830304518	19830804
JP1788797 C3	19930910	JP19820135716	19820805
JP3024505 B4	19910403	JP19820135716	19820805
JP59025840 A2	19840209	JP19820135716	19820805
US4526920 A	19850702	US19830519238	19830802

Priority:

JP19820135716 19820805

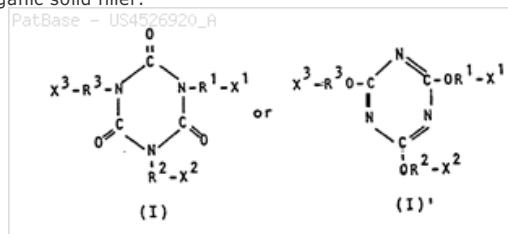
Probable Assignee: MITSUI PETROCHEMICAL IND

Assignee(s): (std): MITSUI PETROCHEMICAL IND

Assignee(s): MITSUI PETROCHEMICAL IND LTD ; MITSUI PETROCHEMICAL IND LTD CORP OF JAPAN ; MITSUI PETROCHEMICAL INDUSTRIES LTD ; MITSUI SEKIYU KAGAKU KOGYO KK

Inventor(s): (std): INAGAKI HAJIME ; NAKANO TAKAYUKI ; SAKASHITA TAKESHI ; TODO AKIRA ; TOUDOU AKIRA

Designated states: BE DE FR GB



Title: SMART DEVICE

Abstract: An Internet of Thing (IoT) device includes a camera coupled to a processor; and a wireless transceiver coupled to the processor. Blockchain smart contracts can be used with the device to facilitate secure operation.

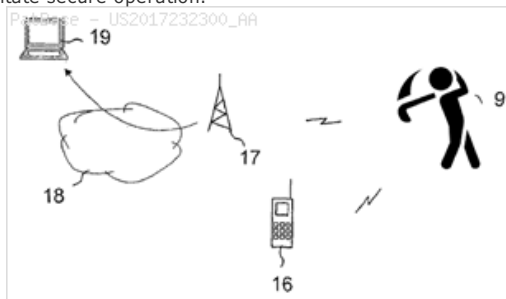
Classifications:

International (IPC 8-9): A42B3/04 A61B5/00 A61B5/0205 A61B5/0404 A61B5/11 A63B24/00 A63B43/00 A63B60/46 A63B69/36 A63B69/38 A63B71/00 A63B71/06 A63B71/14 A63F11/00 A63F13/00 A63F13/211 A63F13/212 B33Y10/00 B33Y80/00 B60Q1/00 G01L5/00 G01L5/10 G01L5/22 G01M17/02 G01M17/06 G01N29/00 G01N29/14 G01N29/44 G01P15/08 G01P15/18 G06F1/16 G06F17/30 G06F19/00 G06F3/00 G06F3/01 G06K19/02 G06K19/077 G06K9/00 G06K9/78 G06N5/04 G06N99/00 G06Q20/36 G06Q20/40 G06Q40/08 G09B19/00 G16H20/30 G16H30/20 G16H40/60 G16H40/63 G16H40/67 G16H50/20 H04B1/3827 H04L9/32 H04N5/225 H04N7/18 H04Q9/00 H04W4/02 H04W4/38 H04W84/18 (Advanced/Invention);

A42B3/04 A61B5/00 A61B5/01 A61B5/0205 A61B5/024 A61B5/0402 A61B5/0488 A61B5/053 A61B5/055 A61B5/11 A61B5/22 A63B21/072 A63B69/00 A63B69/02 A63B69/06 A63B69/16 A63B69/36 A63B71/08 A63B71/10 A63B71/12 A63B71/14 G06K9/62 G16H50/20 H04B1/38 H04L29/08 H04N7/18 H04W84/18 H04W88/02 (Advanced/Non-invention)

CPC: A63B2230/04 A63B2230/50 A63B24/0006 A63B2208/0204 A63B24/0021 H04B1/38 G06K9/6277 H04N7/185 G01P15/18 A63F13/212 A61B5/02055 A61B5/0404 G06N5/04 G06K9/78 G06K9/00302 G01P15/0802 A63F2300/8082 A63B24/0062 H04N5/2253 A61B5/1123 A61B5/6898 A61B5/11 A61B5/1116 A61B5/1118 A61B5/1128 A61B5/163 A61B5/165 A61B5/18 A61B5/6826 A61B5/6893 G06F3/00 G06K9/00342 H04L67/04 H04L67/125 H04L67/22 H04L67/303 H04L67/32 H04L69/40 G06K9/00805 G06K9/2018 G06K9/228 G06K9/4604 G06K9/4633 G06K9/4671 G06K9/6205 A63B21/072 A63B21/0726 A63B69/0002 A63B69/0026 A63B69/0028 A63B69/0048 A63B69/0071 A63B69/02 A63B69/06 A63B69/16 A63B69/36 A63B69/3632 A63B71/10 A63B71/1216 A63B71/1291 A63B71/141 A63B2071/1233 A63B2071/1283 A63B2071/1283 A63B2207/02 A63B2220/12 A63B2220/13 A63B2220/16 A63B2220/20 A63B2220/24 A63B2220/30 A63B2220/40 A63B2220/51 A63B2220/53 A63B2220/56 A63B2220/72 A63B2220/74 A63B2220/75 A63B2220/76 A63B2220/803 A63B2220/806 A63B2220/807 A63B2220/833 A63B2220/836 A63B2225/30 A63B2225/50 A63B2225/54 A63B2230/06 A63B2230/60 A63B2230/70 A63B2243/0025 A63B2243/0037 A63B2243/0054 A63B2243/0066 A63B2243/007 A63B2243/0095 A63B2244/102 A63B2244/18 A63B2244/19 A63B2244/20 A63B2244/203 G16H20/30 H04W88/02 A61B5/02416 A61B5/0488 A61B5/224 A61B5/7203 A61B5/7264 B33Y10/00 B33Y80/00 G01L5/0052 G01L5/10 G01L5/226 G01M17/02 G01M17/06 H04B1/385 H04L67/12 H04N7/183 G06F3/013 G06F3/014 G16H30/20 G06F19/345 H04L67/18 A63F11/00 G06N7/005 A63F13/245 A63F13/25 A63F13/5255 H04L67/38 H04W4/80 G06K19/025 G06K19/07762 G06Q40/08 A61B5/0024 A61B5/1121 A61B5/6803 A61B5/7282 A63B24/0075 G06F3/011 G06F3/012 G06F2203/011 G06F2203/0384 A61B5/01 A61B5/024 A61B5/0402 A61B5/053 A61B5/0533 A61B5/055 A61B5/4872 A61B5/6806 A61B2503/10 A61B2562/0219 G06K9/00671 G16H40/63 G16H40/67 A63B71/145 H04W84/18 A61B5/0022 G16H40/60 H04L9/321 H04L9/3236 H04L9/3247 H04L2209/38 H04L2209/56 G01N2291/02483 G01N29/00 G06K9/00496 G06N20/00 G06F19/00 G06F1/163 G09B19/0038 G06Q10/08 G06Q30/0241 G06Q30/06 A61B5/112 A61B5/6804 G16H10/40 G16H15/00 G16H40/20 G16H70/40 A63B21/0724 A63B60/16 A63B71/085 A42B3/0433 A42B3/046 A61B5/0205 A61B5/681 A61B5/6895 A63B43/004 A63B60/46 A63B69/38 A63B71/06 A63F13/211 G01N29/14 G01N29/4436 G01N2291/0258 G01N2291/044 G06F3/017 G06K9/00355 G09B19/003 G16H50/20 H04B1/04 H04L67/10 H04N5/2257 H04N7/18 H04Q9/00 H04Q2209/40 H04W4/027 H04W4/38 G06Q20/02 G06Q20/382 H04N5/232 H04N5/247 G16H10/60 G16H80/00 G16H50/30 G16H50/50 G16H50/70 G06K9/00389 G06Q2220/00 G16H30/40 G06F1/1694

US: 1/1 340/870.07 340/870.3 434/247 700/91

**Family:**

Publication number	Publication date	Application number	Application date
US2017232300 AA	20170817	US20170586199	20170503
US2017312578 AA	20171102	US20170626087	20170617
US2017312614 AA	20171102	US20170626099	20170617
US2017318360 AA	20171102	US20170624014	20170615
US2018001183 AA	20180104	US20170407255	20170117
US2018001184 AA	20180104	US20170624927	20170616
US2018078843 AA	20180322	US20170807138	20171108
US2018117446 AA	20180503	US20170594214	20170512
US2018117447 AA	20180503	US20170594311	20170512
US2018133583 AA	20180517	US20170821718	20171122
US2018264347 AA	20180920	US20180973524	20180507
US2018288586 AA	20181004	US20180990550	20180525
US2018326291 AA	20181115	US20180989484	20180525
US2019191284 AA	20190620	US20180207154	20181202
US2019200184 AA	20190627	US20180034239	20180712
US9610476 BA	20170404	US20160144773	20160502
US9713756 BA	20170725	US20170407253	20170117
US9717949 BA	20170801	US20170407248	20170116
US9717958 BA	20170801	US20170407257	20170117
US9849364 BB	20171226	US20170586199	20170503
US9975033 BB	20180522	US20170407255	20170117
US10022613 BB	20180717	US20170594311	20170512
US10022614 BA	20180717	US20170612808	20170602
US10034066 BB	20180724	US20170624014	20170615
US10046228 BB	20180814	US20170594214	20170512
US10046229 BB	20180814	US20170626099	20170617
US10052519 BB	20180821	US20170626087	20170617
US10195513 BB	20190205	US20180989484	20180525
US10200834 BB	20190205	US20170821718	20171122
US10252145 BB	20190409	US20170624927	20170616

Priority:

US20160013957 20160202 US20160144773 20160502 US20170407248 20170116
US20170407253 20170117 US20170407257 20170117 US20170407255 20170117
US20170586199 20170503 US20170594214 20170512 US20170594311 20170512
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US20170821718 20171122 US20180973524 20180507 US20180990550 20180525
US20180989484 20180525 US20180034239 20180712 US20180207154 20181202

Probable Assignee: TRAN BAO
Assignee(s): (std): TRAN BAO ; TRAN HA
Inventor(s): (std): TRAN BAO ; TRAN HA
Agent(s): TRAN AND ASSOCIATES

12) Family number: 67075368 (US2017275459A)

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Title: HIGH TEMPERATURE-RESISTANT POLYAMIDE MOULDING COMPOUNDS AND USES THEREOF ESPECIALLY IN THE AUTOMOTIVE SECTOR

Abstract: A polyamide moulding compound consisting of the following components (A)-(E):

- (A) 40-70 weight percent of at least one partially crystalline, partially aromatic polyamide, made up of:
 - (a1) 60 to 75 weight percent of 6T units, formed from 1,6-hexanediamine and terephthalic acid;
 - (a2) 20 to 35 weight percent of 6I units, formed from 1,6-hexanediamine and isophthalic acid;
 - (a3) 3 to 15 weight percent of 612 units, formed from 1,6-hexanediamine and dodecanedioic acid; and
 - (a4) 0 to 5 weight percent of one of the following units: 66 units, formed from 1,6-hexanediamine and adipic acid; 68 units, formed from 1,6-hexane-diamine and suberic acid; 69 units formed from 1,6-hexanediamine and azelaic acid; 610 units formed from 1,6-hexanediamine and sebacic acid; 6 units formed from e-caprolactam; or a mixture of such units;
- wherein the sum of the components (a1) to (a4) makes up 100 weight percent of the polyamide (A);
- (B) 30-60 weight percent of fibrous reinforcing materials;
- (C) 0-30 weight percent of particulate fillers different from (B), (D) and (E);
- (D) 0-2.0 weight percent of heat stabilizers; and
- (E) 0-6 weight percent of auxiliary agents and/or additives, different from (A)-(D);
- wherein the sum of the components (A)-(E) makes up 100 weight percent is described, as well as corresponding moulded bodies and applications of such moulded bodies in particular as hollow bodies for contact with coolant liquid in the automotive sector.

Classifications:

International (IPC 8-9): B29C67/24 C08G69/26 C08J5/00 C08J5/04 C08K3/00 C08K3/04 C08K3/34 C08K5/13 C08K5/134 C08K7/02 C08K7/14 C08L77/06 C08L77/10 (Advanced/Invention)

CPC: B29C67/24 C08L2205/02 C08L2201/08 B29K2077/00 C08G69/265 C08L77/06 B29K2105/12 B29K2105/16 B29K2309/08 B29K2507/04 C08L77/10 C08J5/00 C08J5/04 C08K3/0033 C08K3/34 C08K5/13 C08K7/02 C08L2201/02 C08K2201/003 C08K2201/004 C08L2203/16 C08L2203/18 C08L2203/20 C08L2205/025 C08K7/14 C08K3/013

US: 1/1 524/291

JP F-Term: 4J001 4J001/DA01 4J001/EA06 4J001/EB08 4J001/EB09 4J001/EB36 4J001/EB37 4J001/EC08 4J001/JA04 4J001/JA05 4J001/JB01 4J001/JB06 4J002 4J002/CL03 4J002/DA07 4J002/DA08 4J002/DC00 4J002/DD02 4J002/DE11 4J002/DE13 4J002/DE18 4J002/DE26 4J002/DF01 4J002/DG02 4J002/DJ00 4J002/DJ03 4J002/DJ04 4J002/DJ05 4J002/DL00 4J002/EG04 4J002/EJ06 4J002/EN07 4J002/EW04 4J002/EW06 4J002/FA04 4J002/FD01 4J002/FD06 4J002/GC00 4J002/GN00 4J002/GQ00

JP F-Index: C08G69/26 C08K7/02 C08L77/06

Family:

Publication number	Publication date	Application number	Application date
CN107325548 A	20171107	CN201710176259	20170322
DE502016000880 D1	20180524	DE201650000880T	20160323
EP3222649 A1	20170927	EP20160161807	20160323
EP3222649 B1	20180418	EP20160161807	20160323
JP2017193703 A2	20171026	JP20170057222	20170323
KR20170110525 A	20171011	KR20170035303	20170321
US2017275459 AA	20170928	US20170466393	20170322

Priority:

EP20160161807 20160323 KR20170035303 20170321 JP20170057222 20170323

Probable Assignee: EMS PATENT AG

Assignee(s): (std): EMS PATENT AG

Inventor(s): (std): HEWEL MANFRED ; STOEPPELMANN GEORG ; LAMBERTS NIKOLAI ; THOMAS OLIVER ; STOPPELMANN GEORG ; MANFRED HEWEL ; GEORG STOEPPELMANN ; NIKOLAI LAMBERTS ; OLIVER THOMAS

Agent(s): BREMI TOBIAS HANS; DESHIMARU TAKESHI; HAKODA ATSUSHI; ASAI KENJI; YAMASAKI KAZUO; ICHIKAWA SATSUKI; HATTORI HIRONOBU

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

13) Family number: 57711392 (US2014329920A)

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Title: POLYCARBONATE-SILOXANE COPOLYMER FLAME RETARDED WITH A SILICONE BASED CORE SHELL MODIFIER

Abstract: Disclosed herein are compositions including a polycarbonate-siloxane copolymer and a silicone-based graft copolymer. The compositions may include one or more additional polymers, such as a bisphenol-A polycarbonate. The compositions may include additional components, such as anti-drip agents, and/or flame retardant salt additives. Also disclosed herein are articles including the compositions, methods of using the compositions, and processes for preparing the compositions.

Classifications:

International (IPC 8-9): C08G77/448 C08L27/18 C08L69/00 C08L83/06 C08L83/10 (Advanced/Invention);

Family:

Publication number	Publication date	Application number	Application date
CN105431472 A	20160323	CN201480025150	20140430
CN105431472 B	20170825	CN201480025150	20140430
EP2992039 A1	20160309	EP20140728736	20140430
US2014329920 AA	20141106	US20140261133	20140424
US9309407 BB	20160412	US20140261133	20140424
WO14179375 A1	20141106	WO2014US35978	20140430

Priority:

US20130818607P 20130502 US20140261133 20140424 WO2014US35978 20140430

Probable Assignee: SABIC INNOVATIVE PLASTICS IP BV**Assignee(s):** (std): ROSENQUIST NILES RICHARD ; SABIC GLOBAL TECHNOLOGIES BV ; SABIC INNOVATIVE PLASTICS IP ; SABIC INNOVATIVE PLASTICS IP BV**Inventor(s):** (std): ROSENQUIST NILES RICHARD**Agent(s):** MODIANO MICAELA NADIA; MICHAEL BEST AND FRIEDRICH LLP; REIMER LEAH M**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 IR 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**14) Family number: 65747405 (CO15305152A)**

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Title: PROCESO DE POLIMERIZACION DE LA BORRA DE CAFE MOLIDO USADO Y LOS MATERIALES ASI OBTENIDOS Process of polymerisation of the ground coffee used and the materials obtained (Machine translation)**Classifications:****International (IPC 8-9):** A23F5/22 (Advanced/Invention)**Family:**

Publication number	Publication date	Application number	Application date
CO15305152 A1	20161021	CO20150305152	20151223

Priority:

CO20150305152 20151223

Probable Assignee: WALTER VILLARREAL QUINTERO**Assignee(s):** WALTER VILLARREAL QUINTERO**Inventor(s):** WALTER VILLARREAL QUINTERO**Agent(s):** HERNANDO FERNANDEZ CANON**15) Family number: 29611419 (US2003018063A)**

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Title: PHYSIOLOGICALLY ACTIVE AGENTS CONTAINING VICINAL DITHIOGLYCOLS AND USE THEREOF IN VARIOUS BRANCHES OF ECONOMY

Abstract: The invention relates to the production of food and can be used to obtain food additives, biologically active food additives. The invention discloses the use of vicinal dithioglicol of general chemical formula $RCH(SH)CH(SH)R_1$ as a food additive or a biologically active food additive having the property of binding carbonil compounds present in food products and the human body according to the reaction resulting in the formation of cyclic thioacetal or ketal which are easily removable from the human body as well as able to form complexes with ions of bivalent metals providing a physiologically beneficial effect on the transportation of said ions through cell membranes, on the glycolysis process, on the enzymatic catalysis process, on the catabolism of carbohydrate moiety of amino acids and on thiol-disulfide equilibrium in the metabolism of amino acids. As well as inhibiting undesirable processes in food products and human body. The invention also describes food additives, biologically active food additives, food products containing vicinal dithioglicol as well as processes for producing said additives and products. The technical result of the claimed technical solution is the use of vicinal dithioglicols as having immuno-corrective effect on human organism and stimulating a number of physiological processes and inhibiting undesirable processes in organisms and food products such as fatty acid peroxidation. On the ground of the above vicinal dithioglicols are used in food production to increase shelf life of products, to create new dietetic foodstuff, to increase biological value and activity of food, to enlarge the number of manufactured food additives and biologically active food additives. The invention also relates to cosmetology, particularly to medical cosmetology and dermatology. It can be used to prepare novel cosmetic agents, cosmetic means for treating skin by adding compounds selected from the group of vicinal dithioglicols as ingredients to cosmetic and/or dermatological preparations. Vicinal dithioglicols have a number of physiologically advantageous properties allowing to provide novel characteristics to cosmetic and dermatological means in relation to their action on skin and hair. The invention relates to a novel topical formulation? To a method of using the formulation and to a method of producing the same. It relates to compositions able to improve the condition and appearance of skin and having medicinal and prophylactic effect on hair and nails. The invention also relates to agriculture, for instance for production of feed and mixed fodder or in veterinary. Vicinal dithioglicols can be used as physiologically active substances and active ingredients of feed additives and/or feed and/or of other preparations for domestic animals, poultry, and pets. The invention teaches to use at least one vicinal dithioglicol as an active ingredient of physiologically active means, feed additives, feed having immunity stimulating and antioxidant effect and chemical activity of irreversible binding and removing some widespread toxic compounds from organisms of animals and poultry, such as heavy and radioactive metal compounds including mercury, lead, polonium, caesium, bismuth, cobalt, cadmium, as well as arsenic and other toxins. Vicinal

dithioglicols of the claimed preparations stimulate some important physiological processes in organisms of animals and poultry. The invention also discloses a feed additive, feed for animals and poultry and other means comprising this substance, methods of their production and administration.

Classifications:

International (IPC 8-9): A21D13/08 A21D2/08 A23B4/14 A23B4/20

A23G3/00 A23G3/36 A23K1/00 A23K1/16 A23K1/17 A23K1/18 A23L1/03

A23L1/05 A23L1/22 A23L1/29 A23L1/30 A23L1/302 A23L1/325 A23L2/385

A23L2/52 A23L3/3463 A23L3/3535 A61K31/095 A61K31/10 A61K31/194

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A61K9/06 A61K9/10 A61K9/20 A61K9/68 A61K9/70 A61P17/00 A61P25/32 A61P3/00 A61P39/02 A61P43/00 A61Q19/00

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A61K8/00 A61K8/30 A61K9/06 A61K9/10 A61K9/20 A61P17/00 A61Q5/00 A61Q5/02 (Advanced/Non-invention);

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CPC: A23K20/105 A23K50/10 A23K50/75 A23C2230/10 A61K8/46 A61K8/466 A61K9/0019 A61K9/0024 A61K9/0095 A61K9/2095

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US: 424/439 424/439P 424/440 424/440S 424/442 424/449 424/464 424/70.1 514/440 514/553 514/553S 514/557 514/557S

514/706 514/706S

JP F-Term: 2B005 2B005/DA01 2B150 2B150/AA01 2B150/AA05 2B150/AA06 2B150/AB20 2B150/DA13 4B018 4B018/LB01

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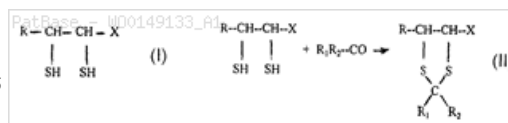
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Family:

Publication number	Publication date	Application number	Application date
AT415101 E	20081215	AT20000989066T	20001228
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AU200031996 A1	20010716	AU20000031996	20000120
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RU2158517 C1	20001110	RU20000104533	20000225
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US2003018063 AA	20030123	US20020169367	20020701
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US7229637 BB	20070612	US20020169367	20020701
US7820196 BB	20101026	US20070732080	20070402
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WO0149133 A1	20010712	WO2000RU00013	20000120
WO0149822 A2	20010712	WO2000RU00535	20001228
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WO0162102 A1	20010830	WO2000RU00075	20000306

Priority:

RU19990007022	19991229	RU19990127022	19991229	WO2000RU00013	20000120
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WO2000RU00535 20001228 US20020169367 20020701 US20060598151 20061110
US20070732080 20070402 US20070732081 20070402

Probable Assignee: ZENOVICH SERGEJ MIKHAILOVICH

Assignee(s): (std): BORIS KHAIMOVICH STRELETS ; KHAIMOVICH STRELETS BORIS ; MIKHAILOVICH ZENOVICH SERGEI ; SERGEI MIKHAILOVICH ZENOVICH ; STRELETS BORIS K ; STRELETS BORIS KHAIMOVICH ; ZENOVICH SERGEI MIKHAILOVICH ; STRELETS BORIS SHAIMOVICH ; ZENOVICH SERGEJ MIKHAILOVICH ; ZENOVICH SERGEI M ; STRELETS BORIS KHEIMOVICH ; ZIENOVICH SERHEI MIKHAILOVICH ; STRIELIETS BORIS KHAIMOVICH ; ZENOVICH SERHEI MIKHAILOVICH ; ZENOVYCH SERHEI MIKHAILOVICH

Inventor(s): (std): ZENOVICH SERGEI MIKHAILOVICH ; STRELETS BORIS KHAIMOVICH ; STRELETS BORIS SHAIMOVICH ; ZENOVICH S M ; STRELETS B KH ; KHAIMOVICH STRELETS BORIS ; MIKHAILOVICH ZENOVICH SERGEI ; STRIELIETS BORIS KHAIMOVICH ; ZIENOVICH SERHEI MIKHAILOVICH ; ZENOVICH SERHEI MIKHAILOVICH ; ZENOVYCH SERHEI MIKHAILOVICH ; STRELETS SERGEI MIKHAILOVICH Z ; STRELETS BORIS K ; ZENOVICH SERGEI M

Inventor(s): STRELETS BKH ; ZENOVICH SM ; SERGEI MIKHAILOVICH ZENOVICH BORIS KHAIMOVICH STRE ; SERGEI MIKHAILOVICH ZENOVICH BORIS KHAIMOVICH STRELETS ; STRELETS BORIS ; ZENOVICH SERGEI ; SERGEI MIKHAILOVICH ZENOVICH BORIS KHAIMOVICH ; SERGEI MIKHAILOVICH ZENOVICH ; BORIS KHAIMOVICH STRELETS

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE OR SENCRL SRL LLP; HOFFMANN EITL; TSURUTA JUNICHI; NISHIYAMA MASAYA; HIGUCHI SOTOJI; ISHIDA TAKASHI; LADAS AND PARRY LLP; LADAS AND PARRY

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK 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 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

16) Family number: 61182801 (US2017129996A)

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Title: BROMINATED CROSS-LINKABLE POLYCARBONATE COMPOSITIONS

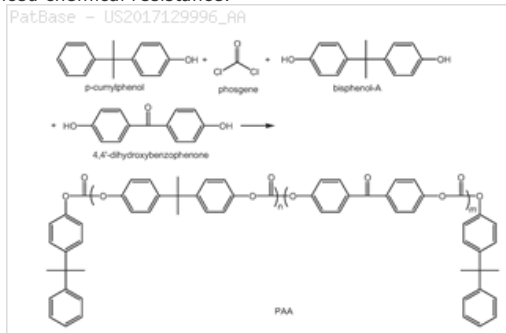
Abstract: Polymeric compositions having improved flame retardance properties are disclosed. The compositions comprise a cross-linkable polycarbonate resin having a photoactive group derived from a benzophenone, a bromine source, and optionally a non-brominated and non-chlorinated flame retardant. The composition contains a minimum amount of bromine. Articles formed from the compositions have robust flame retardance properties and enhanced chemical resistance.

Classifications:

International (IPC 8-9): C08G64/10 C08G64/14 C08K3/00 C08K3/34 C08K5/00 C08K5/02 C08K5/42 C08K5/526 C08K7/02 C08K7/06 C08K7/14 C08K7/22 C08L69/00 (Advanced/Invention); C08G64/10 C08G64/14 (Advanced/Non-invention)

CPC: C08L2205/02 C08K5/42 C08K5/526 C08G64/10 C08G64/14 C08K5/02 C08L69/00 C08K7/14 C08L2205/025 C08L2205/03 C08K2201/003 C08K2201/004 C08L69/005 C08L83/10 C08K3/013 C08K5/0066 C08K5/03 C08K5/136 C08G64/186 C08K3/34 C08K3/346 C08K7/02 C08K7/06 C08K7/22

US: 1/1 524/153 524/494



Family:

Publication number	Publication date	Application number	Application date
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US2017166742 AA	20170615	US20150319860	20150619
US10066056 BB	20180904	US20150319896	20150619
WO15193859 A1	20151223	WO2015IB54643	20150619
WO15193860 A1	20151223	WO2015IB54644	20150619

Priority:

US20140014411P 20140619 US20140014426P 20140619 US20150099654P 20150105
WO2015IB54643 20150619 US20150319896 20150619 US20150319860 20150619
WO2015IB54644 20150619

Probable Assignee: SABIC GLOBAL TECHNOLOGIES BV

Assignee(s): (std): SABIC GLOBAL TECHNOLOGIES BV

Inventor(s): (std): FLORES AMANDA MARIE ; HOOVER JAMES FRANKLIN ; JOHNSON PETER ; MORIZUR JEAN FRANCOIS

Agent(s): CANTOR COLBURN LLP

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 IR IS IT JP KE KG KM KN KP KR KZ LA LC 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

17) Family number: 74357875 (WO19094700A1)

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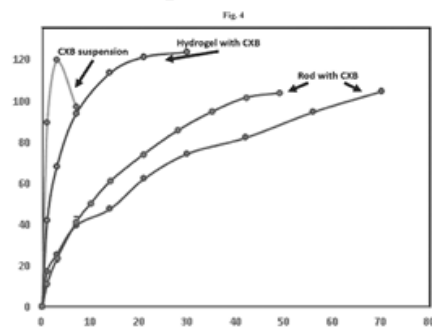
Title: SILK-BASED PRODUCTS AND METHODS OF USE

Abstract: Embodiments of the present disclosure include silk-based products and related methods of use in a variety of applications. Included are applications in the fields of medicine, veterinary medicine, agriculture, and material science.

Classifications:

International (IPC 8-9): A01K67/00 A01K67/033 A01K67/04 A61K47/00 A61K47/42 A61K9/00 C07K14/00 C07K14/435 (Advanced/Invention)
CPC: A61K9/0019 A61K9/0051 A61K31/00 A61K47/10 A61K47/26 A61K47/42 D06M7/00 A01K67/04 A01K67/0275 C07K14/00

PatBase - W019094700_A1

**Family:**

Publication number	Publication date	Application number	Application date
WO19094700 A1	20190516	WO2018US59996	20181109
WO19094702 A1	20190516	WO2018US59998	20181109

Priority:

US20170584153P 20171110 US20180659209P 20180418 US20180659213P 20180418
US20180680386P 20180604 US20180680371P 20180604

Probable Assignee: COCOON BIOTECH INC**Assignee(s):** (std): COCOON BIOTECH INC**Inventor(s):** (std): SANTOS MICHAEL ; DELISLE SCOTT ; TWEED KENT AILIS ; EASTHON LINDSEY ; PATTNI BHUSHAN S**Agent(s):** WARD DONNA T 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 DJ 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 IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC 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

18) Family number: 28290889 (US2003231485A)

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Title: TUBULAR ELECTRO-LUMINESCENT PANEL(S) LIGHT DEVICE

Abstract: A tubular Electro-Luminescent panel(s) light device offer a desired bending directions with super brightness basing on certain width of panel incorporated proper inverter system. The said panel(s) with much narrow width than tube means to allow the panel(s) can be bend at any direction and angle within the tube means to offer a desired light effects. The said panel(s) can be flat or twisted within the tube means which may have the desired colored, transparency, wall thickness, diameter, shape, length for requirement. The said device may incorporated with non-elastic means, magnetic means, tube holder, sensor means, Integrated circuit to add a lot of desired variety features.

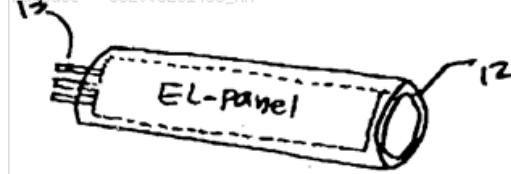
Classifications:**International (IPC 8-9):** A41D27/08 A41G1/00 A42B1/24 A43B3/00

A45C15/06 A61L9/03 B60Q1/26 B60Q3/02 B60R11/00 B60R13/00 C10G1/00 C10G32/00 C12M1/00 C12M1/06 C12M1/12 C12M1/34 C12M3/00 C12P5/00 F21K2/00 F21K9/232 F21K9/235 F21K9/275 F21K9/60 F21K9/65 F21K99/00 F21L13/00 F21L14/00 F21L4/00 F21L4/02 F21L4/08 F21S10/00 F21S10/02 F21S10/06 F21S2/00 F21S4/00 F21S4/28 F21S6/00 F21S8/00 F21S8/08 F21S9/02 F21S9/03 F21V1/00 F21V1/10 F21V11/00 F21V13/00 F21V13/02 F21V14/00 F21V14/02 F21V14/06 F21V14/08 F21V15/01 F21V17/00 F21V17/02 F21V17/10 F21V17/12 F21V17/16 F21V19/00 F21V19/02 F21V21/00 F21V21/005 F21V21/08 F21V21/088 F21V21/092 F21V21/096 F21V21/14 F21V21/22 F21V21/26 F21V21/30 F21V23/00 F21V23/02 F21V23/04 F21V23/06 F21V25/00 F21V25/02 F21V29/00 F21V29/502 F21V29/70 F21V3/00 F21V3/02 F21V31/00 F21V33/00 F21V5/00 F21V5/04 F21V7/00 F21V7/04 F21V8/00 F21V9/00 F21V9/16 F21Y103/10 F21Y113/13 F21Y115/10 G01J5/00 G01S3/786 G02B27/22 G02F1/13 G02F1/1335 G02F1/13357 G03B1/00 G03B15/03 G03B15/05 G03B19/18 G03B21/00 G03B21/14 G03B21/20 G03B23/00 G03B29/00 G03B3/00 G03H1/22 G04B19/04 G04B19/30 G04B37/12 G04B47/00 G04C10/00 G04C19/00 G04G99/00 G06F1/26 G06K9/00 G06K9/20 G06T7/00 G06T7/20 G06T7/70 G08B13/196 G08B13/24 G09F13/18 G09F13/22 G09F23/00 G09F23/04 G09F33 G09G3/30 G09G3/32 H01L21/00 H01L21/68 H01R103/00 H01R11/00 H01R13/66 H01R13/70 H01R13/717 H01R13/72 H01R13/73 H01R24/76 H01R25/00 H01R27/00 H01R27/02 H01R3/00 H01R33/00 H01R33/009 H01R33/06 H01R33/92 H01R39/00 H02G3/14 H02G3/18 H02J4/00 H02J7/00 H02J7/02 H02M1/00 H04N1/21 H04N5/225 H04N5/232 H04N5/235 H04N5/247 H04N5/33 H04N5/76 H04N5/77 H04N7/18 H04N9/31 H05B33/08 H05B35/00 H05B37/00 H05B37/02 H05B41/30 (Advanced/Invention); B60R13/02 F21K9/23 F21K9/235 F21K9/238 F21S2/00 F21S9/02 F21V1/10 F21V19/00 F21V21/22 F21V21/29 F21V21/30 F21V23/00 F21V23/04 F21V23/06 F21V33/00 F21V8/00 F21V9/08 F21W121/00 F21W131/30 F21Y101/00 F21Y101/02 F21Y103/10 F21Y113/10 F21Y113/13 F21Y115/10 F21Y115/30 F21Y2115/10 F21Y2115/30 G01S3/786 G02B5/32 G03B21/14 G09F13/22 H01H9/18 H01J7/44 H01R103/00 H01R13/713 H01R24/76 (Advanced/Non-invention); A42B1/00 A43B3/00 A45C15/00 B60Q3/00 B60R11/00 B60R13/00 F21L4/00 F21S4/00 F21V1/00 F21V17/00 F21V21/00 F21V21/005 F21V21/08 F21V21/14 F21V23/00 F21V23/04 F21V3/00 F21V33/00 G03B21/00 G03B21/14 G09F13/22 H01R3/00 H01R33/00 H05B37/02 (Core/Invention); B60R13/02 G02B5/32 (Core/Non-invention)

International (IPC 1-7): F21V21/00 F21V21/08 F21V9/16 G01D11/28 G02B6/04 H01J1/62 H01R11/00

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Family:

Publication number	Publication date	Application number	Application date
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Inventor(s): CHIEN TSENG

Agent(s): BACON AND THOMAS PLLC; ROBERT; NAECKEL ARNO

Title: FOOD COMPOSITIONS OF MICROALGAL BIOMASS

Abstract: The invention provides algal biomass, algal oil, food compositions comprising microalgal biomass, whole microalgal cells, and/or microalgal oil in combination with one or more other edible ingredients, and methods of making such compositions by combining algal biomass or algal oil with other edible ingredients. In preferred embodiments, the microalgal components are derived from microalgal cultures grown and propagated heterotrophically in which the algal cells comprise at least 10 percent algal oil by dry weight.

Classifications:

International (IPC 8-9): A21D10/00 A21D13/00 A21D13/066 A21D2/08 A21D2/16 A21D2/26 A21D2/36 A23B A23B4/03 A23B5/00 A23C11/10 A23C15/00 A23C15/12 A23C9/12 A23C9/13 A23D A23D7/00 A23D7/005 A23D9/00 A23D9/007 A23D9/02 A23G1/44 A23G1/56 A23G9/32 A23G9/42 A23G9/44 A23G9/52 A23J1/00 A23J3/04 A23J3/20 A23K1/00 A23K1/14 A23K1/16 A23K1/18 A23K10/00 A23K10/16 A23K10/30 A23K10/37 A23K20/00 A23K20/158 A23K50/10 A23K50/20 A23K50/30 A23K50/40 A23K50/75 A23K50/80 A23L1/00 A23L1/0532 A23L1/09 A23L1/10 A23L1/16 A23L1/164 A23L1/212 A23L1/221 A23L1/24 A23L1/28 A23L1/30 A23L1/305 A23L1/308 A23L1/314 A23L1/317 A23L1/32 A23L1/337 A23L1/39 A23L1/40 A23L13/40 A23L15/00 A23L17/60 A23L2/00 A23L2/38 A23L2/52 A23L2/66 A23L23/00 A23L23/10 A23L27/60 A23L31/00 A23L33/00 A23L33/10 A23L33/105 A23L33/115 A23L33/12 A23L33/17 A23L33/18 A23L33/185 A23L33/21 A23L5/00 A23L7/109 A23L7/117 A23L7/126 A23L7/13 A61K A61K31/175 A61K31/715 A61K35/748 A61K36/02 A61K39/00 A61K47/14 A61K8/02 A61K8/73 A61K8/97 A61K8/9706 A61Q19/00 A61Q19/08 B65D85/72 C07C27/06 C08B37/00 C08L5/00 C11B1/02 C11B1/04 C11B1/06 C11B1/10 C11B5/00 C11C3/00 C12N1/00 C12N1/06 C12N1/12 C12N1/38 C12N13/00 C12N15/00 C12N15/11 C12N5/04 C12P C12P19/04 C12P7/64 C12Q1/04 (Advanced/Invention);

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International (IPC 1-7): C12P7/64

CPC: A61K31/593 A61K9/14 A61K31/015 A61K31/05 A61K31/07

A61K31/122 A61K31/19 A61K31/202 A61K31/22 A61K31/23 A61K31/355 A61K31/375 A61K31/60 A61K31/715 A61K36/05 A61K45/06 A61K2800/92 A61Q19/00 C08B37/006 C12N1/12 A61K8/0241 A61K2800/412 A61K2800/654 A61Q19/08 C08B37/0003 C08B37/0036 C08L5/00 Y02W90/11 A61K8/73 C12P19/04 A23K20/10 A21D13/066 A21D10/00 A23C9/133 A23C21/08 C11B5/0035 C11C3/12 C11B1/02 C11B1/04 Y02E50/13 A23L29/065 A23L7/109 A23L7/135 C12N1/066 C12N13/00 A23L13/42 A23L13/46 A23L2/52 A23L7/126 A23L7/13 A23L13/424 A23L15/30 A23L17/60 A23L23/00 A23L27/60 A23L33/115 A23L33/17 A23L33/21 A21D2/36 A23V2002/00 A23L33/185 A21D13/04 A21D13/40 C11B1/06 A23K10/37 A23K50/10 A23K50/30 A23K50/75 A23K50/80 C11B1/10 C11C3/003 Y02P60/877 A21D2/165 A21D2/267 A23D7/001 A23D7/003 A23D7/0053 A23D7/0056 A23K10/16 A23K20/158 A23K50/20 A23K50/40 A23L33/10 C12P7/6427 C07C1/2078 C07K2319/01 C10L1/02 C12N9/00 C12N9/16 C12N9/2402 C12N15/79 C12P7/20 C12P7/64 C12P7/6409 C12P7/6418 C12P7/6463 C12P7/649 C12Y301/02014 C12Y302/01026 Y02P20/52 Y02T50/678 Y02A40/818 A61K8/9706 Y10T428/2982

European: A21D10/00 A21D13/06D2 A21D2/16D A21D2/26F A23C21/08 A23C9/133 A23D7/005N A23D7/005S A23D7/00B A23D7/00D A23K1/00C2 A23K1/14C A23K1/16I A23K1/16M A23K1/18K A23K1/18L2 A23K1/18M1 A23K1/18N A23K1/18S A23L1/03M A23L1/16 A23L1/164C A23L1/164E A23L1/164F A23L1/24 A23L1/305 A23L1/308 A23L1/30C A23L1/314B2 A23L1/314B4 A23L1/32F A23L1/337 A23L1/39 A23L2/52 A61K31/015 A61K31/05 A61K31/07 A61K31/122 A61K31/19 A61K31/202 A61K31/22 A61K31/23 A61K31/355 A61K31/375 A61K31/593 A61K31/60 A61K31/715 A61K36/05 A61K45/06 A61K8/73 A61Q19/00 C08B37/00K C08B37/00P C11B1/02 C11B1/04 C11B1/06 C11B1/10 C11B5/00F4 C11C3/00B C11C3/12 C12N1/12 C12P19/04 K23V2/00 K23V200/318 K23V250/510 K61K800/92 K61K9/14 Y02E50/13

US: 1/1 424/401 426/116 426/116S 426/18 426/18P 426/32 426/32S 426/33 426/33P 426/473 426/473S 426/478 426/478S 426/521 426/521S 426/541 426/541P 426/541S 426/549 426/549S 426/550 426/550S 426/555 426/555P 426/555S 426/557 426/557S 426/560 426/560S 426/575 426/575S 426/581 426/581S 426/585 426/585S 426/589 426/589P 426/589S 426/590 426/590S 426/593 426/598 426/598S 426/599 426/599S 426/601 426/601S 426/602 426/602S 426/603 426/603S 426/605 426/605S 426/607 426/607S 426/609 426/61 426/613 426/613S 426/614 426/614S 426/615 426/615S 426/618 426/618S 426/61P 426/61S 426/635 426/635S 426/641 426/641S 426/646 426/646S 426/648 426/648S 426/650 426/650S 426/656 426/656S 426/658 426/658S 428/402 435/101 435/101S 435/34 435/34S 514/54 514/54P 536/123 536/123.1 536/123S 554/175 554/175S 554/206 554/206S 554/210 554/210S 554/8 554/8P

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DAVIES COLLISON CAVE; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SMART AND BIGGAR; MARSHALL CAMERON JOHN; HOFER AND PARTNER PATENTANWALTE MBB; ISERN JORGE; ZHONGZI IP; BARRON AND YOUNG INTELLECTUAL PROPERTY LTD; WOLFF BREGMAN AND GOLLER; SPRUSON AND FERGUSON ASIA PTE LTD; TOWNSEND AND TOWNSEND AND CREW LLP SOLAZYME INC; ALSTON AND BIRD LLP; WEAVER AUSTIN VILLENEUVE AND SAMPSON LLP; LOCKE LORD LLP; TERMES LANCE A ET AL

Designated states:

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