INTEGRACIÓN DE PARTÍCULAS ACTIVAS EN SUSTENTES

Número de publicación: US2019249359A1
Fecha: 15/08/2019
 solicitantes: COCONA INC [US]
Resumen: Un sistema de enlace de partículas activas que incluye una partícula activa, un material químicamente unido a la partícula activa, y un soporte insertado que incluye al menos una de las partículas activas y el material.
CELL RUPTURE-BASED ANTIMICROBIAL SURFACES COATED WITH METAL OXIDE NANO-ARRAYS

No. publication EP3515193A1 31/07/2019
Solicitantes AGENCY SCIENCE TECH & RES [SG]
Resumen The present disclosure relates to an antimicrobial coating on a surface, a method for preparing and uses of the same. In particular it relates to a process for preparing an antimicrobial coating on a surface, the process comprising the steps of: a) providing a surface; b) coating a metal oxide or a metal hydroxide on the surface in the presence of a solvent in a hydrothermal synthesis step to form a coated surface having a plurality of nanostructures; c) optionally drying the coated surface, wherein said nanostructure is preferably in nanopillar structure. The coating of the present application exhibits excellent antimicrobial activity against different types of microorganism, such as bacteria and yeast. The nanostructures are able to exert stress to the microorganism, and therefore controlling or killing them.

SKIN CARE FABRIC

No. publication WO2019137929A1 18/07/2019
Solicitantes FILAG MEDICAL SCHWEIZ AG [CH]
Resumen A skin care fabric for medical, pharmaceutical or cosmetic use includes at least 80% by weight of microfibers whose fibers have a diameter of less than 50 microns and are a mixture of polyamide and polyester, wherein the fabric has been subjected to a splitting process by an alkaline solution treatment, splitting each microfiber producing fine fibers closely packed in a parallel structure having a capillary effect and an abrasive effect. The fabric has a surface weight of less than 180 g/m² and is loaded with medical, pharmaceutical or cosmetic active agents. The fabric is a warp-knitted fabric having a first surface on one opposite side and a second surface on the other opposite side, wherein the first surface is mechanically roughened and cut making it fluffy and yet short-haired compact in order to leave as few loose fibers as possible on the skin during use and resulting in a further surface enlargement of the fabric structure, having a water absorbency of at least four times the surface weight of the fabric.
**BENEFIT AGENT CONTAINING DELIVERY PARTICLE**

Nº publicación: JP2019116711A  18/07/2019

Solicitantes:  

Resumen: The present invention relates to benefit agent containing delivery particles, compositions comprising said particles, and processes for making and using the aforementioned particles and compositions. When employed in compositions, for example, compositions for cleaning, fabric care, or coating onto various substrates, textiles or surfaces, such particles increase the efficiency of benefit agent delivery, thereby allowing reduced amounts of benefit agents to be employed, in addition to allowing the amount of benefit agent to be reduced, such particles allow a broad range of benefit agents to be employed.

**VOLATILE SUBSTANCE DIFFUSER**

Nº publicación: WO2019129814A1  04/07/2019

Solicitantes: ZOBELE HOLDING SPA [IT]

Resumen: The volatile substance diffuser comprises a support (1) impregnated with the volatile substances, wherein at least one portion of the volatile substances is contained in at least first microcapsules (2) and second microcapsules (3) comprising a core (10) and a coating (11), the diffusion times of the first and second microcapsules (2, 3) being different to each other. It enables the diffusion time of the volatile substances to be increased.

**ナノオーダー分散型水性遮断熱塗料及びナノオーダー分散型水性遮断熱塗料の製造方法**

Nº publicación: JP2019108440A  04/07/2019

Solicitantes:  

Resumen: 【課題】ポットライフが長く、且つ実用的な塗膜形成条件でても成膜出来、耐久性及び耐光性においても実用的な塗膜が得られるナノオーダー分散型水性遮断熱塗料及びナノオーダー分散型水性遮断熱塗料の製造方法を実現する。【解決手段】遮断熱材料としてセルロースナノファイバーを用い、ベースのエマルジョンを調製後減圧脱気を行うながら攪拌分散を行うことにより、遮断熱剤の分離沈降が抑制されてポットライフが長く、成膜特性に優れ、硬度の高い塗膜を得られ、さら長期に亘って遮断熱効果を実現するナノオーダー分散型遮断熱塗料及びナノオーダー分散型遮断熱塗料の製造方法である。【選択図】図1
PERFUME COMPOSITIONS

Nº publicación: JP2019104916A  27/06/2019

Solicitantes: \u30B6 \u30D7\u30ED\u30AF\u30BF\u30FC \u30A2\u30F3\u30C9 \u30AE\u30E3\u30F3\u30D6\u30EB
\u30AB\u30F3\u30D1\u30CB\u30FC\uFF34\uFF28\uFF25 \uFF30\uFF32\uFF2F \uFF23\uFF2F\uFF2D\uFF30\uFF21\uFF2E\uFF39

Resumen: The present application relates to perfume compositions, delivery systems comprising such perfumes products comprising such perfumes and/or delivery systems, and processes for making and using same. Such perfumes and delivery systems provide improved perfume performance under high soil conditions and in cold water washing and a shell that at least partially surrounds said core.

tecidos de algodão hidrofóbicos e autolimpantes obtidos a partir de recobrimentos por imersão.

Nº publicación: BR102017026896A2  25/06/2019

Solicitantes: UNIV ESTADUAL DE PONTA GROSSA [BR]

Resumen: tecidos de algodão hidrofóbicos e autolimpantes obtidos a partir de recobrimentos por imersão. A presente invenção refere-se a obtenção de tecidos de algodão hidrofóbicos e autolimpantes a partir de sua modificação superficial mediante recobrimentos por imersão. Possui como grande vantagem a aplicação dos compostos químicos na linha de produção da indústria têxtil, sem interferir no seu processo convencional. O processo proposto torna viável técnica e economicamente a fabricação de tecidos de algodão hidrofóbicos e autolimpantes no processo industrial.

銀ナノ粒子積層体及び銀ナノ粒子積層体の製造方法並びに銀ナノ粒子積層体の呈色方法

Nº publicación: JP2019098683A  24/06/2019

Solicitantes: \u51F8\u7248\u5370\u5237\u682A\u5F0F\u4F1A\u793E

Resumen: 【課題】本発明は、呈色可能な色の種類を増やすことが可能な銀ナノ粒子積層体及びその製造方法並びに銀ナノ粒子積層体の呈色方法を提供することを目的とする。【解決手段】本実施形態の銀ナノ粒子積層体Aは、下地層2と、下地層2上に形成されたオーバーコート層3と、を備え、オーバーコート層3は、分子内に少なくとも1個以上のウレタン結合と2個以上の重合性不飽和二重結合とを有する化合物及び分子内に少なくとも1個以上のカルボキシ基と1個以上の重合性不飽和二重結合とを有する化合物の少なくとも一方と、銀ナノ粒子Aを含み、銀ナノ粒子Aは、オーバーコート層3内に分散している。【選択図】図1
COLLOIDAL ANTIMICROBIAL AND ANTI-BIOFOULING COATINGS FOR SURFACES

Nº publicación: US2019174749A1  13/06/2019
Solicitantes: UNIV HONG KONG SCIENCE & TECHNOLOGY [CN]
Resumen: Methods and formulations for antimicrobial and anti-biofouling coating comprising: a hollow round colloidal structure, comprising: an active polymer shell; and an active or inert core; wherein the active polymer shell comprises one or more polymers with antimicrobial and anti-biofouling activities selected from the group consisting of polyethylenimine (PEI), functionalized chitosan (CHI), polyquaternium, poly(diallyldimethylammonium chloride) (PDDA) and polyhexamethylene biguanide (PHMD); wherein the active or inert core contains one or more disinfectants, biocides, fragrances or inert solvent; and wherein the hollow round colloidal structure is stable for at least 3 months.

DETERGENT COMPOSITION COMPRISING ENCAPSULATES

Nº publicación: JP2019515098A  06/06/2019
Solicitantes: 
Resumen: Liquid detergent compositions having a surfactant system and encapsulates, where the surfactant system includes anionic alkoxylated alkyl sulphate surfactant. Methods of making and using such detergents.
SELF-HEALING POLymER COMPOSITIONS

Nº publicación US2019169446A1 06/06/2019
Solicitantes TESLA NANOCAOTINGS INC [US]
Resumen A self-healing polymer is described herein, including a first carbon nanotube filled with at least a first healing agent, wherein the first carbon nanotube has first and second ends, wherein a first end cap is closed on the first end of the first carbon nanotube and a second end cap is closed on the second end of the first carbon nanotube, and a second carbon nanotube filled with at least a second healing agent, wherein the second carbon nanotube has first and second ends, wherein a first end cap is closed on the first end of the second carbon nanotube and a second end cap is closed on the second end of the second carbon nanotube.

DETERGENT COMPOSITION COMPRISING ENCAPSULATES AND DEPOSITION AID

Nº publicación JP2019515085A 06/06/2019
Solicitantes .esp.nip
Resumen A liquid detergent composition comprising a surfactant system, encapsulates, a nd a cationic deposition aid polymer, w herein the detergent composition comprises from 10 to 50 wt% of the surfactant system, wherein the surfactant system comprises anionic surfactant and nonionic surfactant present in a weight ratio of from 1:1 to 4.5:1, wherein the anionic surfactant comprises an anionic sulphate surfactant and an anionic sulphonate surfactant in a weight ratio of from 1:1 to 20:1, wherein the detergent composition comprises from 0.1% to 5 wt% of the encapsulates comprising a core and a wall, wherein the core comprises a benefit agent, wherein the cationic deposition aid polymer is a non-polysaccharide polymer with Mw from 5 to 200 kDa, and wherein the liquid detergent composition contains, no more than 0.3% of a silicone. A method of treating fabrics, wherein the fabric contacts the said detergent composition.
液体柔軟剤組成物の製造方法

 Nº publicación JP2019085668A 06/06/2019
 Solicitantes ユーコウアビタ
 Resumen 【課題】総界面活性剤量が少なく、かつ、高分子に頼らずに機能性カプセル基材を長期保存において安定的に配合するための製造方法の提供。【解決手段】下記の工程1〜4により製造される液体柔軟剤組成物の製造方法。工程1：カチオン界面活性剤とノニオン界面活性剤と油溶性成分を混合した50℃以上の油相、および、水と水溶性成分を混合した50℃以上の水相、をそれぞれ調製する工程。工程2：工程1で調製した油相と水相の一部を混合し、液晶を形成する工程であり、油相と水相の混合比（水相/油相の質量比）が0.8〜1.2倍である工程。工程3：工程2で調製した液晶に残りの水相を添加し、混合して乳化物を形成する工程であり、水相が液体柔軟剤組成物総量に対して50〜85質量％である工程。工程4：工程3で調製した乳化物に機能性カプセル基材を添加し、混合する工程。【選択図】なし

DETERGENT COMPOSITION COMPRISESING ENCAPSULATES

 Nº publicación JP2019515086A 06/06/2019
 Solicitantes ユーコウアビタ
 Resumen Liquid detergent composition that includes a surfactant system and encapsulates. Methods for making and using such detergents.
### ENCAPSULATION COMPOSITIONS

**Nº publicación** [US2019150433A1](https://www.google.com/patents/US2019150433A1)  
**Solicitantes** BATTELLE MEMORIAL INSTITUTE [US]  
**Resumen** An encapsulation composition is described. The composition comprises a plurality of capsules, each capsule comprising an amphiphilic material encapsulating a pyrethroid. The encapsulated pyrethroid has a release rate less than the release rate of the unencapsulated pyrethroid. Coated fabric products are also described.

![FIG. 1](image-url)  

### HYDROPHOBICALLY MODIFIED UREA ETHERS AS STRUCTURANTS FOR HYDROPHOBIC SYSTEMS

**Nº publicación** [JP2019512583A](https://www.google.com/patents/JP2019512583A)  
**Solicitantes** (Names in Japanese characters)  
**Resumen** Consumer product compositions comprising hydrophobically modified urea ethers.

### DELIVERY PARTICLE

**Nº publicación** [US2019142714A1](https://www.google.com/patents/US2019142714A1)  
**Solicitantes** PROCTER & GAMBLE [US]  
**Resumen** The present application relates to encapsulated benefit agents, compositions comprising such encapsulated benefit agents and processes for making and using compositions comprising such encapsulated benefit agents. Such encapsulated benefit agents eliminate or minimize one or more of the drawbacks of current encapsulated benefit agents and thus provide formulators with additional perfume delivery opportunities.
LAUNDRY SCENT ADDITIVE

Nº publicación US2019144797A1 16/05/2019
Solicitantes PROCTER & GAMBLE [US]
Resumen A laundry scent additive having polyethylene glycol and perfume. The laundry scent additive enables consumers to control the amount of scent imparted to their laundry.

Eucalyptus oil auxiliary agent, preparation method thereof, and fabric-finishing working solution

Nº publicación AU2016102391A4 16/05/2019
Solicitantes JIANGSU GOLDSUN TEXTILE SCIENCE AND TECHNOLOGY CO LTD
Resumen Abstract The present invention discloses a eucalyptus oil auxiliary and a preparation method thereof, and a 5 fabric finishing working fluid. The eucalyptus oil auxiliary comprises 5-20 parts of eucalyptus oil microcapsules, 5-10 parts of eucalyptus oil, 1-20 parts of nonionic emulsifier, 5-10 parts of anionic thickener, 5-10 parts of polyurethane binder and 30-50 parts of deionized water. By using an emulsification process, the eucalyptus oil is dissolved into the emulsifier, so the obtained auxiliary has good affinity and absorption effect on the fabric fibers; the eucalyptus oil microcapsules are also added to the auxiliary, so under the protection of the capsule wall, the retention time of the active ingredients of the eucalyptus oil is increased, and the functional effect is prolonged, thereby being beneficial to maintaining the best use effect of the fabric; one or more essential oils may be added in the emulsifier, which not only improves the oxidation resistance of the essential oil, but also improves the storage stability of the auxiliary, and avoids stratification caused by gravity for a long time; and the preparation method of the auxiliary of the present invention is simple and easy to implement.

METAL NANOWIRE DISPERSION LIQUID

Nº publicación JP2019067760A 25/04/2019
Solicitantes UNITIKA LTD
Resumen To provide a metal nanowire dispersion liquid excellent in coating suitability, which can form a coating film excellent in coating film uniformity and conductivity even after a long-term storage. SOLUTION: The metal nanowire dispersion liquid comprises (A) a metal nanowire, (B) glycol and (C) glycol alkyl ether. SELECTED DRAWING: None
TREATMENT COMPOSITIONS

Nº publicación JP2019511637A  25/04/2019
Solicitantes \u30B6 \u30D7\u30ED\u30AF\u30BF\u30FC \u30A2\u30F3\u30C9 \u30AE\u30E3\u30F3\u30D6\u30EB \u30A8\u30F3\u30D1\u30CB\u30FC
Resumen The present invention relates to treatment compositions containing polymer systems that provide stability and benefit agent deposition as well as methods of making and using same. Such treatment compositions may be used for example as through the wash and/or through the rinse fabric enhancers as well as unit dose treatment compositions.

IONIC LIQUIDS

Nº publicación WO2019073397A1  18/04/2019
Solicitantes PPG IND OHIO INC [US]
Resumen The present invention is directed to a method of preparing an alkoxy silane functional ionic liquid comprising reacting a halogenated compound comprising a halogen and an active hydrogen functional group, an isocyanato functional alkoxy silane, and an ionizable compound capable forming an ionic bond with the halogen to form the alkoxy silane functional ionic liquid. The present invention is also directed to alkoxy silane functional ionic liquids. The present invention is also directed to ionic liquids for use in a coating composition, the coating composition comprising an ionic liquid comprising a salt group and a first functional group, a film-forming polymer comprising a second functional group, and a curing agent comprising a third functional group, wherein the first functional group is reactive towards at least one of the second functional group and the third functional group.

IMPROVEMENTS IN AND RELATING TO GARMENT REFRESHMENT

Nº publicación WO2019072646A1  18/04/2019
Solicitantes UNILEVER PLC [GB]
UNILEVER NV [NL]
CONOPCO INC D/B/A UNILEVER [US]
Resumen The present invention is concerned with a garment refresh product comprising: a garment refreshing composition; and a hand-held spray device which is manually operable to produce a spray of said composition; said composition comprising one or more setting polymers.
HYDROPHOBIC COATINGS FOR METALS INCORPORATING ANODIC AND RARE-EARTH OXIDES AND METHODS OF APPLYING SAME

Nº publicación WO2019074482A1  18/04/2019
Solicitantes GKN AEROSPACE TRANSPARENCY SYSTEMS INC [US]
Resumen A hydrophobic coating and a method for applying such a coating to a surface of a metallic substrate. The method can include anodizing a nanoporous layer of anodic metal oxide on the surface; cathodizing yttrium oxide nanoparticles onto the surface; applying a hydrophobic ceramic coating composition to the surface by an application method selected from the group consisting of: flowing, dipping, and spraying; and heating the coated surface at a cure temperature from about 150° C to about 300° C for at least 2 hours.

IMPROVEMENTS IN AND RELATING TO GARMENT REVIVAL

Nº publicación WO2019073090A1  18/04/2019
Solicitantes UNILEVER PLC [GB] UNILEVER NV [NL] CONOPCO INC D/B/A UNILEVER [US]
Resumen The present invention is concerned with a garment revival product comprising: a garment revival composition; and a hand-held spray device which is manually operable to produce a spray of said composition; said composition comprising one or more fabric tactility modifiers.