

Search history

Search 1: glass and (narrow w5 absorb*) and (dye or band) and layer and (plastic or polymer*) (Results 703)

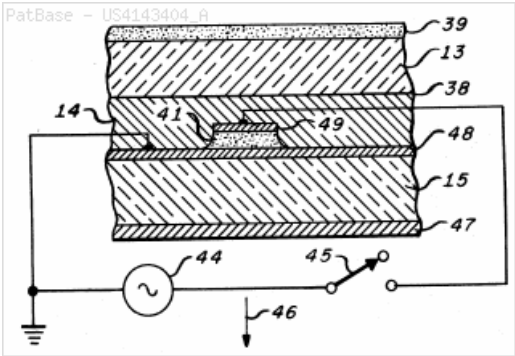
Search 2: 1 and laminate and surface (Results 97)

Search 3: 2 and tac=(glass and layer and absor*) (Results 17)

Title: LAMINATED FILTER-ELECTROLUMINESCENT RECITULAR INDEX FOR CATHODE RAY DISPLAY

Abstract: An optical filter possessing narrow pass band characteristics selectively absorbs impinging ambient white light components and is used in combination with a laminate graticule having transparent electrodes lying in a common plane for defining a multiplicity of electrically insulating gaps in the pattern of the graticule for exciting associated partially over-lying electroluminescent phosphor patterns. The graticule pattern being composed of an electroluminescent material, night viewing of the graticule is readily accomplished by electrically exciting it. For daylight viewing, the unexcited phosphor material is itself directly viewed.

Classifications:
International (IPC 8-9): H01J29/34 (Advanced/Invention);
H01J29/18 (Core/Invention)
International (IPC 1-7): H04N5/72
CPC: H01J29/34
European: H01J29/34
US: 313/462 313/463 348/834 348/835 358/253 552/612



Family:

Publication number	Publication date	Application number	Application date
US4143404 A	19790306	US19780878860	19780217

Priority:

US19780878860 19780217

Probable Assignee: HONEYWELL INC

Assignee(s): (std): SPERRY RAND CORP

Assignee(s): HONEYWELL INC ; SP COMMERCIAL FLIGHT INC ; SP COMMERCIAL FLIGHT INC A DE CORP

Inventor(s): (std): ARMSTRONG JAMES B ; TRIMMIER J ROBERT

Title: Photodecontamination of **surfaces**

Abstract: As a method of decontaminating a **surface** covered with a chemical contaminant, a light-**absorption** agent providing a relatively high neutral density is applied to the **surface** in intimate contact with the contaminant. Then one or more flashes of high intensity, broad-**band** frequency, incoherent light is applied to the **surface**, whereupon, the light-**absorption** agent converts the **absorbed** light energy to heat, resulting in vaporization and/or decomposition of the contaminant. The heat generated by the short duration flash is localized at the material on the **surface** and at a very thin **surface layer**, and vaporization of the **surface** material dissipates the heat that is generated, whereby, the **surface** is substantially unaffected by the process.

Classifications:

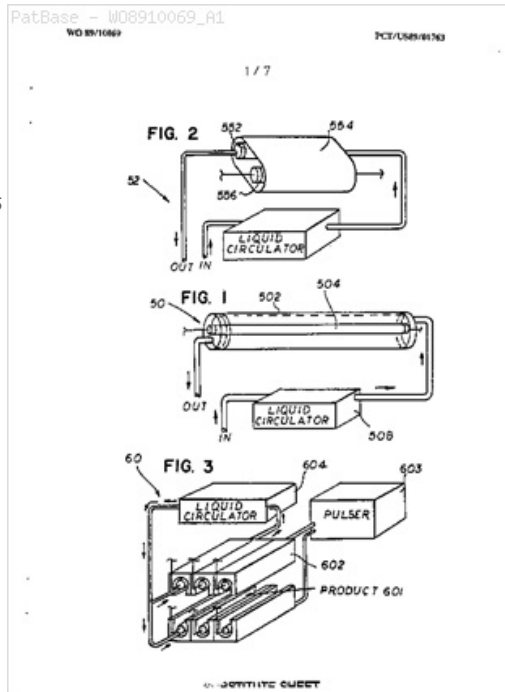
International (IPC 8-9): A23B4/015 A23B7/015 A23L3/00 A23L3/005 A23L3/01 A23L3/26 A23L3/28 A61L2/00 A61L2/08 A61L2/10 A62D3/00 A62D3/17 A62D3/176 A62D3/30 B08B7/00 B65B55/08 B65B55/12 B65B55/16 (Advanced/Invention); A23L3/26 A62D101/02 A62D101/04 A62D101/20 A62D101/26 (Advanced/Non-invention); A23L3/005 A23L3/26 A61L2/08 A61L2/10 A62D3/00 B08B7/00 B65B55/02 B65B55/04 (Core/Invention)

International (IPC 1-7): A16L2/00 A21D15/06 A23B4/015 A23B7/015 A23L3/00 A23L3/005 A23L3/04 A23L3/20 A23L3/26 A23L3/28 A61L2/00 A61L2/08 A61L2/10 A61L2/18 A62D3/00 B08B3/10 B08B7/00 B65B55/08 B65B55/12 B65B55/16 G21F9/30

CPC: A23L3/26 A23L3/28 A62D3/176 A62D3/30 A62D2101/02 A62D2203/04 B08B7/0035 B08B7/0042 A62D3/17 A62D2101/04 A62D2101/20 A62D2101/26 A23L3/01 A23L3/005 A61L2/08 A61L2/10 B65B55/08 B65B55/16

European: A23L3/005 A23L3/01 A23L3/26 A23L3/28 A61L2/08 A61L2/10 A62D3/00E2 A62D3/00G8 A62D3/00G8F A62D3/00K A62D3/00M10 A62D3/00M10F A62D3/00M2 A62D3/00M4 A62D3/17 A62D3/176 A62D3/30 B08B7/00S B08B7/00S2 B65B55/08 B65B55/16 K62D101/02 K62D101/04 K62D101/20 K62D101/26 K62D203/04

US: 131/1 134/1 422/24 426/238 426/248 426/399 426/407 426/410 426/413 426/521 53/425 53/426



Family:

Publication number	Publication date	Application number	Application date
AT101008 E	19940215	AT19890905912T	19890427
AT101978 E	19940315	AT19870900486T	19870526
AU198767792 A1	19880601	AU19870067792	19861205
AU198935646 A1	19891124	AU19890035646	19890427
AU605129 B2	19910110	AU19870067792	19861205
AU621892 B2	19920326	AU19890035646	19890427
CA1201865 A1	19860318	CA19830425164	19830405
CA1292140 A1	19911119	CA19860526124	19861223
DE3310117 A1	19831006	DE19833310117	19830321
DE3689695 D1	19940407	DE19863689695	19861205
DE3689695 T2	19940609	DE19863689695T	19861205
DE68912934 D1	19940317	DE19896012934	19890427
DE68912934 T2	19940519	DE19896012934T	19890427
DK257490 A	19901025	DK19900002574	19901025
DK257490 A0	19901025	DK19900002574	19901025
EP0290443 A1	19881117	EP19870900486	19870526
EP0290443 A4	19900226	EP19870900486	19870526
EP0290443 B1	19940302	EP19870900486	19870526
EP0411046 A1	19910206	EP19890905912	19890427
EP0411046 A4	19901212	EP19890905912	19890427
EP0411046 B1	19940202	EP19890905912	19890427
FI883299 A	19880711	FI19880003299	19880711
FI883299 A0	19880711	FI19880003299	19880711
FR2524316 A1	19831007	FR19830005435	19830401
FR2524316 B1	19870828	FR19830005435	19830401
GB2118028 A1	19831026	GB19830007747	19830321
GB2118028 B2	19851218	GB19830007747	19830321
GB8307747 A0	19830427	GB19830007747	19830321
JP1501517 T2	19890601	JP19870500362T	19861205
JP2774796 B2	19980709	JP19870500362T	19861205
JP3505159 T2	19911114	JP19890505902	19890427
KR19907000022 A	19900811	KR19897002507	19890427
NO168622 B	19911209	NO19880003056	19880708
NO168622 C	19920318	NO19880003056	19880708
NO883056 A	19880913	NO19880003056	19880708
NO883056 A0	19880708	NO19880003056	19880708
US4867796 A	19890919	US19870096064	19870908
US4871559 A	19891003	US19880187281	19880428
US4910942 A	19900327	US19890393038	19890811

US5034235 A	19910723	US19890363582	19890608
WO8803369 A1	19880519	WO1986US02628	19861205
WO8910069 A1	19891102	WO1989US01763	19890427

Priority:

US19820365247 19820405	CA19830425164 19830405	US19830555383 19831123
US19850703289 19850220	US19850731665 19850507	US19850794573 19851104
US19860930646 19861113	WO1986US02628 19861205	CA19860526124 19861223
EP19870900486 19870526	US19870096064 19870908	US19880187281 19880428
US19880204114 19880608	EP19890905912 19890427	WO1989US01763 19890427
US19890363582 19890608	US19890393038 19890811	

Probable Assignee: PUREPULSE TECHNOLOGIES INC

Assignee(s): (std): FOODCO CORP ; MAXWELL LAB ; MAXWELL LAB INC

Assignee(s): MAXWELL LABORATORIES INC SAN DIEGO CALIF US ; MAXWELL LABORATORIES INC A CA CORP ; MAXWELL LABORATORIES INC A DELAWARE CORP ; FOODCO CORP SAN DIEGO CALIF US ; FOODCO CORP SAN DIEGO CALIF ; HOFMANN GUNTER A ; PAINCHAUD FRANCOIS ; PEARLMAN JAY S ; MAXWELL LABORATOIRES INC ; PUREPULSE TECHNOLOGIES INC ; SANWA BANK CALIFORNIA ; TITAN CORP ; WACHOVIA BANK NA ; MAXWELL LABORATORIES INC ; MAXWELL TECHNOLOGIES INC ; ASMUS JOHN FREDERICH ; BOYER KEITH ; CLARK REGINALD WAYNE ; COMERICA BANK CALIFORNIA ; CREDIT SUISSE FIRST BOSTON ; DUNN JOSEPH EDWARD ; FOODCO A CORP OF DE CORP

Inventor(s): (std): ASMUS JOHN ; ASMUS JOHN F ; ASMUS JOHN FREDERICH ; BOYER KEITH ; CLARK R WAYNE ; CLARK REGINALD ; CLARK REGINALD W ; CLARK REGINALD WAYNE ; DUNN JOSEPH ; DUNN JOSEPH E ; DUNN JOSEPH EDWARD ; DUNNE JOHN EDWARD ; DUNNE JOSEPH ; DUNNE JOSEPH EDWARD ; HOFMANN GUNTER ; HOFMANN GUNTER A ; KEITH BOYER ; PAICHAUD FRANCOIS ; PAINCHAUD FRAINCOIS ; PAINCHAUD FRANCOIS ; PEARLMAN JAY ; PEARLMAN JAY S

Inventor(s): PEARLMAN JAY S RANCHO PALOS VERDE CA 90274 ; PEARLMAN JAY S RANCHO PALOS VERDE CA 90274 US ; REGINALD WAYNE CLARK ; PAINCHAUD FRANCOIS CHARLESBOURG QUEBEC G1H IR9 ; PAINCHAUD FRANCOIS CHARLESBOURG QUEBEC G1H IR9 CA ; JAY S PEARLMAN ; JOHN EDWARD DUNNE ; JOHN FREDERICH ASMUS ; JOSEPH EDWARD DUNN ; JOSEPH EDWARD DUNNE ; DUNNE JOSEPH EDWARD RANCHO LA COSTA CA 92008 ; DUNNE JOSEPH EDWARD RANCHO LA COSTA CA 92008 US ; FRANCOIS PAINCHAUD ; GUNTER A HOFMANN ; DUNN JOSEPH EDWARD RANCHO LA COSTA CA 92008 ; DUNN JOSEPH EDWARD RANCHO LA COSTA CA 92008 US ; CLARK REGINALD WAYNE DEL MAR CA 92014 ; CLARK REGINALD WAYNE DEL MAR CA 92014 US ; BOYER KEITH LAS ALAMOS N MEX ; BOYER KEITH LAS ALAMOS N MEX US ; BOYER KEITH LAS ALAMOS NM 87544 ; BOYER KEITH LAS ALAMOS NM 87544 US ; BOYER KEITH LOS ALAMOS NM 87544 ; BOYER KEITH LOS ALAMOS NM 87544 US ; ASMUS JOHN FREDERICH LA JOLLA CA 92037 ; ASMUS JOHN FREDERICH LA JOLLA CA 92037 US

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; MACRAE AND CO

Designated states: AT AU BB BE BF BG BJ BR CF CG CH CM DE DK FI FR GA GB HU IT JP KP KR LI LK LU MC MG ML MR MW NL NO RO SD SE SN SU TD TG

Title: ELECTRICALLY CONDUCTIVE MAGNETIC MICROBALLOONS AND COMPOSITIONS INCORPORATING SAME

Abstract: Electrically conductive microparticles characterized by high conductivity and low density are comprised of electrically nonconductive magnetic microballoons having an electrically conductive coating of a metal. When dispersed in an electrically nonconductive matrix, an electrically conductive composite material is formed in which the microparticles form a network of contacting particles throughout the matrix.

Classifications:

International (IPC 8-9): C03C17/10 C03C17/22 C04B20/10 C04B41/45 C04B41/88 C08K7/26 C08K9/02 C08K9/12 C09C1/00 C09C1/28 C09C3/06 C09D5/24 C09D5/32 C23C18/16 F41H3/00 G01S7/38 H01B1/02 H01B1/22 H01B5/00 H01B5/14 H01Q17/00 H05K9/00 (Advanced/Invention); H05K1/09 H05K3/32 (Advanced/Non-invention); C03C17/06 C03C17/22 C04B20/00 C04B41/45 C04B41/88 C08K7/00 C08K9/00 C09C1/00 C09C1/28 C09C3/06 C09D5/24 C09D5/32 C23C18/16 H01B1/02 H01B1/22 H01B5/00 H01B5/14 H01Q17/00 H05K9/00 (Core/Invention); H05K1/09 H05K3/32 (Core/Non-invention)
International (IPC 1-7): B32B27/18 B60R13/00 B64C1/38 C03C17/10 C04B35/04 C04B41/88 C08K7/18 C09C1/28 C09C3/06 C09D5/24 C09D5/32 C09D5/92 C23C16/00 C23C16/44 C23C17/00 C23C18/16 F41H3/00 F42B12/80 G01S7/38 H01B1/02 H01B1/06 H01B1/22 H01B5/14 H01F1/00 H01F1/26 H01Q1/40 H01Q17/00 H01Q7/00 H05K9/00
CPC: H01Q17/00 Y10T428/2991 Y10T428/2996 Y10T428/2998 Y02W30/92 H05K9/0083 C01P2004/34 C01P2004/61 C01P2004/80 C01P2006/10 C01P2006/40 C03C17/10 C03C17/22 C03C2217/28 C04B20/1055 C04B20/1062 C04B41/4584 C04B2111/00258 C04B2111/00482 C08K7/26 C08K9/02 C08K9/12 C09C3/066 C09D5/24 C09D5/32 H01B1/22 H01Q17/002 H05K1/095 H05K3/321
European: C03C17/10 C03C17/22 C04B20/10F C04B20/10F2 C04B41/45P C08K7/26 C08K9/02 C08K9/12 C09C3/06G C09D5/24 C09D5/32 H01B1/22 H01Q17/00C H05K9/00B1 H05K9/00M H05K9/00M4B M01P4/34 M01P4/61 M01P4/80 M01P6/10 M01P6/40 M03C217/280 M04B111/00P2 M04B111/00T2 T05K1/09D2 T05K3/32B
US: 252/511 252/513 252/583 252/62.54 252/62.55 342/1 427/126.2 427/127 427/214 427/217 427/299 427/404 428/403 428/406 428/407 523/137 523/218

PatBase - CA1256628_A1

SUBSTITUTE

REMPLACEMENT

SECTION is not Present

Cette Section est Absente

Family:

Publication number	Publication date	Application number	Application date
AT41260 E	19890315	AT19840306006T	19840903
CA1256628 A1	19890627	CA19840463244	19840914
CA1341340 A1	20020219	CA19880558429	19880209
DE3477083 D1	19890413	DE19843477083	19840903
EP0162979 A1	19851204	EP19840306006	19840903
EP0162979 B1	19890308	EP19840306006	19840903
FR2798389 A1	20010316	FR19870016285	19871124
FR2798389 B1	20020308	FR19870016285	19871124
GB198727233 A0	20131023	GB19870027233	19871120
JP1713879 C3	19921127	JP19840248255	19841126
JP3081241 B4	19911227	JP19840248255	19841126
JP60254514 A2	19851216	JP19840248255	19841126
LU87058 A2	20010323	LU19870087058	19871201
SE198704626 A1	20120309	SE19870004626	19871123
SE8704626 A0	19871123	SE19870004626	19871123
TR23267 A	19890804	TR19880000023	19880106
US4624798 A	19861125	US19850702684	19850219
US4624865 A	19861125	US19840612622	19840521
US5786785 A	19980728	US19860933829	19861124
US5892476 A	19990406	US19910681767	19910408

Priority:

US19840612622 19840521	EP19840306006 19840903	CA19840463244 19840914
US19850702684 19850219	US19860933829 19861124	LU19870087058 19871201
CA19880558429 19880209	US19910681767 19910408	

Probable Assignee: SPECTRO DYNAMIC SYSTEMS LP

Assignee(s): (std): CAROLINA SOLVENTS INC ; SPECTRO DYNAMIC SYSTEMS L P ; KARORAINA SORUBENTSU INC ; SPECTRO DYNAMICS SYSTEMS L P ; SPECTRO DYNAMIC SYSTEMS L P NFS SERVICES LTD

Assignee(s): VINSON REBECCA R ; VINSON REBECCA REEVES ; CAROLINA SLVENTS INC ; SPECTRO DYNAMIC SYSTEMS LP ; SPECTRO DYNAMICS SYSTEMS LP ; GINDRUP WAYNE L ; GINDRUP WAYNE LAVAL ; GRAHAM OWEN B ; GRAHAM OWEN BJ

Inventor(s): (std): GINDRUP WAYNE L ; GINDRUP WAYNE LAVAL ; REBETSUKA RIIBUSU BINSON ; SUTTER CHRISTOPHER RICHARD ; UEIN RABARU JINDORUUBU ; UEIN RABARU JINDORUUPU ; VINSON REBECCA R ; VINSON REBECCA REEVES ; REEVES VINSON REBECCA

Inventor(s): WAYNE LAVAL GINDRUP ; REBECCA REEVES VINSON

Agent(s): G RONALD BELL AND ASSOCIATES; SIM AND MCBURNEY

Designated states: AT BE CH DE FR GB IT LI LU NL SE

Title: POWER GENERATING OPTICAL FILTER

Abstract: A power generating optical filter specially tuned to (1) transmit at least portions of selected wavelengths of incident light and (2) generate electrical power from **absorbed** portions of selected wavelengths of incident light.

Classifications:

International (IPC 8-9): G02B5/20 G02B5/28 G03B11/00 H01L31/02 H01L31/0224 H01L31/04 H01L31/048 H01L31/052 H01L31/06

H01L31/075 H01L31/076 (Advanced/Invention);

G02B5/20 G02B5/28 G03B11/00 H01L31/04

H01L31/052 (Advanced/Non-invention);

G02B5/20 G02B5/28 G03B11/00 H01L31/0224 H01L31/04

H01L31/048 H01L31/052 H01L31/06 (Core/Invention)

International (IPC 1-7): G02B5/20 G02B5/22 G02B5/28 G03B11/00

H01L31/02 H01L31/04 H01L31/052 H01L31/06 H01S3/00

CPC: Y10S136/291 H01L31/076 Y02E10/548 B32B17/10036

B32B17/10678 H01L31/022466 Y02E10/52 H01L31/02 H01L31/0547

H01L31/048 H01L31/022475

European: H01L31/0224C H01L31/048 H01L31/076 Y02E10/50

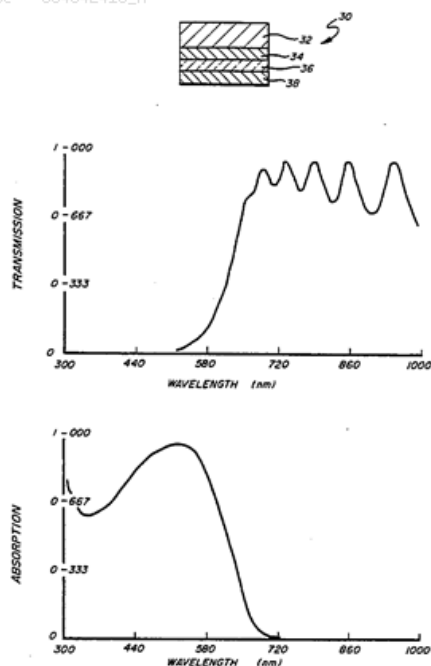
Y02E10/52 Y02E10/54N

US: 136/249 136/251 136/257 136/258 136/291 180/65.3 180/65.31

257/E31.126 296/84.1 296/84R 296/85 350/311 359/578 359/885

396/275 396/301 52/173.1 52/173R

PatBase - US4642413_A

**Family:**

Publication number	Publication date	Application number	Application date
AT92212 E	19930815	AT19860113548T	19861002
AU198663508 A1	19870416	AU19860063508	19861002
CA1268973 A1	19900515	CA19860519109	19860925
DE3688772 D1	19930902	DE19863688772	19861002
DE3688772 T2	19931111	DE19863688772T	19861002
EP0218997 A2	19870422	EP19860113548	19861002
EP0218997 A3	19890705	EP19860113548	19861002
EP0218997 B1	19930728	EP19860113548	19861002
IN166970 A	19900811	IN1986DE00855	19860926
JP2575667 B2	19970129	JP19860241170	19861009
JP2752924 B2	19980518	JP19950187457	19950724
JP62093982 A2	19870430	JP19860241170	19861009
JP8056007 A2	19960227	JP19950187457	19950724
KR19870004320 A	19870508	KR19860008482	19861010
KR950000109 B1	19950109	KR19860008482	19861010
US4642413 A	19870210	US19850786579	19851011
US4713493 A	19871215	US19850806232	19851206

Priority:

US19850786579 19851011 US19850806232 19851206 CA19860519109 19860925
 EP19860113548 19861002 JP19860241170 19861009

Probable Assignee: UNITED SOLAR SYSTEMS CORP

Assignee(s): (std): CANON KK ; ENERGY CONVERSION DEVICES INC

Assignee(s): ENERGY CONVERSION DEVICES INC TROY MICH US ; OVSHINSKY STANFORD R ; SOVONICS SOLAR SYSTEMS ; UNITED SOLAR SYSTEMS CORP ; KYANON KK ; SOVONICS SOLAR SYSTEMS A MI PARTNERSHIP ; ENERGY CONVERSION DEVICES INC A CORP OF DE ; ENAAJII KONBAAJON DEBAISESU INC ; CANON INC ; CANON KABUSHIKI KAISHA

Inventor(s): (std): OVSHINSKY STANFORD R ; SUTANFUODOO AARU OBUSHINSUKII ; STANFORD R OVSHINSKY ; OVSHINSKY STANFORD ROBERT

Inventor(s): SUTANFUODOO AARU OSHINSUKII

Agent(s): GRIFFITH HACK; MACRAE AND CO

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

Title: ENERGY **ABSORBER**

Abstract: An energy **absorbing** bearing with a primary application in the seismic isolation of structure from the ground or parts of other structures. It may also be used to dampen other forces on structures on which it is installed. The bearing consists of end plates separated by a **laminated** of resilient and stiffening **layers**. There is a plastically deformable insert within the **laminated**. The **laminated** interfaces with the end plates in each bearing and is secured near the central axis from end plate to end plate, but not near the peripheries. The advantage provided is allowing a wider range of forces to be **absorbed** than with known bearings of this type.

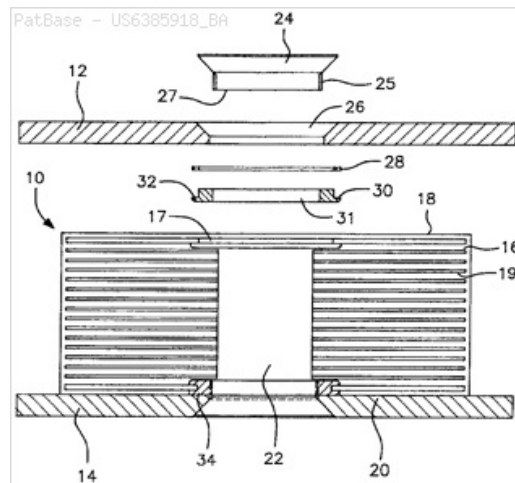
Classifications:

International (IPC 8-9): E02D31/08 E04B1/36 E04H9/02 F16B21/00 F16F1/40 F16F1/50 F16F15/02 F16F9/30 (Advanced/Invention); E04B1/36 F16B21/00 F16F1/00 F16F15/02 (Advanced/Non-invention); E02D31/00 E04B1/36 E04H9/02 F16B21/00 F16F1/36 F16F1/42 F16F15/02 F16F9/00 (Core/Invention)

International (IPC 1-7): E02D31/08 E04B1/36 E04B1/98 E04H9/02 F16B21/00 F16F1/00 F16F1/40 F16F1/50 F16F15/02 F16F9/30 **CPC:** F16F9/30 F16F1/40 F16F2230/0047

European: F16F1/40 F16F9/30 R16F230/00M

US: 267/140.2 384/36 52/167.7 52/167.8 521/678

**Family:**

Publication number	Publication date	Application number	Application date
AU199882484 A1	19990208	AU19980082484	19980711
CN1263579 A	20000816	CN19988007086	19980713
EP0993566 A2	20000419	EP19980932654	19980713
EP0993566 A4	20011114	EP19980932654	19980713
JP2001509578 T2	20010724	JP20000502340T	19980713
KR20010021664 A	20010315	KR20007000222	19980713
NZ502460 A	20001124	NZ19980502460	19980713
TR200000003 T2	20000721	TR20000000003T	19980713
US6385918 BA	20020514	US20000462093	20000313
WO9902887 A2	19990121	WO1998NZ00100	19980713
WO9902887 A3	19990401	WO1998NZ00100	19980713

Priority:

NZ19970328319 19970711 WO1998NZ00100 19980711 NZ19980502460 19980713
WO1998NZ00100 19980713

Probable Assignee: ROBINSON SEISMIC LTD

Assignee(s): (std): ROBINSON EARTHQUAKE CO LTD ; ROBINSON WILLIAM HENRY ; ROBINSON SEISMIC LTD ; ROBINSON SEISMIC LIMITED ; PENGUIN ENGINEERING LIMITED ; PENGUIN ENGINEERING LTD

Assignee(s): ROBINSON EARTHQUAKE CO

Inventor(s): (std): ROBINSON WILLIAM HENRY ; WILLIAM HENRY ROBINSON

Agent(s): TSURUTA JUNICHI; NISHIYAMA MASAYA; HIGUCHI SOTOJI; ISHIDA TAKASHI

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 GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

Title: **Absorbent** articles with distribution materials positioned underneath storage material

Abstract: An **absorbent** article having an ultimate fluid storage region and a fluid distribution region, positioned between the ultimate storage region and the garment oriented **surface** of the article, in fluid communication with the ultimate fluid storage region, the ultimate fluid storage region includes a material which has: (1) a Capillary Sorption Desorption Capacity at 100 cm (CSDC 100) of at least 10 g/g; (2) a Capillary Sorption Desorption Capacity at 0 cm (CSDC 0) higher than the CSDC 100; (3) a Loosely Bound Liquid Capacity (LBLC); and (4) a Capillary Sorption Desorption Release Height when 50 percent of the LBLC are released (CSDRH 50) less than 60 cm. Further, the liquid distribution **layer** material has a Capillary Sorption **Absorption** Height at 30 percent of its maximum capacity (CSAH 30) of at least 35 cm. Distribution material can be foam materials, particularly those derived from high internal phase water-in-oil emulsions.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53
A61F13/534 A61F5/44 A61L15/60 B32B5/00 (Advanced/Invention);
A61F13/15 A61F5/44 A61L15/00 B32B5/00 (Advanced/Non-invention);
A61F13/15 A61F5/44 A61L15/16 B32B5/00 (Core/Invention)

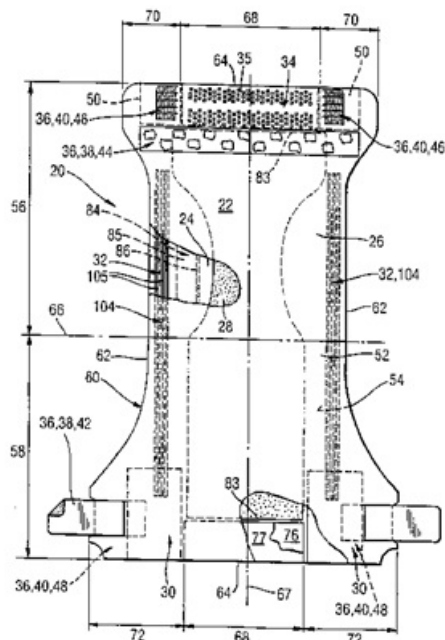
International (IPC 1-7): A61F A61F13/15 A61F13/49 A61F13/53
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CPC: A61F13/537 A61F2013/53765 A61F13/53747 A61F13/53717
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A61F2013/53081 A61F2013/530854

European: A61F13/15J A61F13/537B4 A61F13/537C2
A61F13/537C8 A61F13/537D K61F13/15J8M K61F13/15J8P
K61F13/15J8P5 K61F13/15J8T K61F13/15J8T1 K61F13/537
K61F13/537E K61F13/53R1 K61F13/53R4

US: 604/366 604/367 604/368 604/369 604/374 604/375 604/378
604/385.101

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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: PROCTER AND GAMBLE CO

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Designated states: AE 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 NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZA ZW

Title: SELECTIVE REFLECTING

Abstract: Selective reflective optical apparatus includes a projection screen. The projection screen has structure constructed and arranged to selectively reflect only incident optical energy of a predetermined number of narrow **bands** of optical wavelength regions.

Classifications:

International (ipc 8-9): G02B5/02 G02B5/08 G02B5/26 G02B5/28 G02B5/30 G03B21/00 G03B21/14 G03B21/20 G03B21/26 G03B21/56 G03B21/60 H04N5/74 H04N9/31 (Advanced/Invention)

International (ipc 1-7): G02B27/18 G02B27/28 G02B5/00 G02B5/02 G02B5/08 G02B5/26 G02B5/28 G02B5/30 G02F1/133 G03B21/00 G03B21/14 G03B21/20 G03B21/26 G03B21/56 G03B21/60 G03BD21/14 H04N5/74 H04N9/31

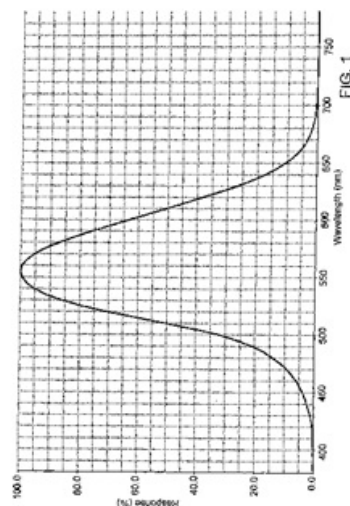
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European: G02B5/08M2T G03B21/20 G03B21/56 G03B21/56D G03B21/60 H04N9/31A3S H04N9/31R5 H04N9/31V

US: 353/30 353/30P 353/85 353/85S 353/94 359/443 359/443P 359/443S 359/449

PatBase - US2003117704_AA

Patent Application Publication Jun. 26, 2003 Sheet 1 of 12 US 2003/0117704 A1



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Priority:

US20010028063 20011221	EP20020102872 20021220	US20040789695 20040227
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EP20050101098 20050215	US20060548373 20061011	

Probable Assignee: TRI VISION SYSTEMS INC

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CORPORATION ; BOSE FRAMINGHAM CORP ; BOSE A DELAWARE CORP

Inventor(s): (std): AUDELL STEFF ; KNIFFIN MARK ; LIPPEY BARETT ; LIPPEY BARRET ; NIFFEN MARK ; O DEA STEVE ;
STEFF AUDELL ; TELLIBI BARRE ; MARK NIFFEN ; BARRE TELLIBI ; O DEA STEPHEN R ; MARK KNIFFIN ;
LIPPEY BARRET C O BOSE CORP ; SHANLEY JAMES R ; SHANLEY JAMES F ; BARRET LIPPEY

Inventor(s): O'DEA STEVE ; JAMES F SHANLEY ; STEPHEN R O DEA ; O'DEA STEPHEN R ; SHANLEY JAMES ; O DEA
STEPHEN ; O DEA STEPHEN R FRAMINGHAM ; LIPPEY BARRET FRAMINGHAM ; KNIFFIN MARK
FRAMINGHAM

Agent(s): ATTALI PASCAL; FISH AND RICHARDSON PC

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

Title: NANOCOMPOSITES

Abstract: This invention provides composite materials comprising nanostructures (e.g., nanowires, branched nanowires, nanotetrapods, nanocrystals, and nanoparticles). Methods and compositions for making such nanocomposites are also provided, as are articles comprising such composites. Waveguides and light concentrators comprising nanostructures (not necessarily as part of a nanocomposite) are additional features of the invention.

Classifications:

International (IPC 8-9): A61K9/14 B01D9/00 B08B3/08 B08B7/00 B22F1/02 B22F9/00 B32B19/00 B32B19/02 B32B9/00 B32B9/04 B82B1/00 B82B3/00 B82Y15/00 B82Y20/00 B82Y30/00 B82Y40/00 C01B19/00 C01B19/04 C01G11/02 C07C13/28 C07D333/50 C07D497/12 C07F9/22 C08G61/00 C08G61/02 C08G61/12 C08K3/34 C08L101/12 C09K11/00 C09K11/02 C09K11/08 C12N13/00 F24J2/06 F24S23/00 G01N33/58 G02B1/04 G02B5/10 G02B6/00 G02B6/02 G02B6/10 G02B6/122 G02F1/21 G02F1/295 G03C5/00 H01B1/00 H01B1/12 H01J1/30 H01L23/00 H01L29/06 H01L31/00 H01L31/0256 H01L31/0264 H01L31/0272 H01L31/0296 H01L31/0352 H01L31/036 H01L31/0384 H01L31/04 H01L31/052 H01L31/055 H01L31/18 H01L51/00 H01L51/42 H01M14/00 H01S3/063 H05B33/00 (Advanced/Invention); B01D9/00 B82B3/00 C07F9/38 C07F9/6558 C12N13/00 G02F1/295 H01L31/00 H01L51/00 H01S5/10 (Advanced/Non-invention); A61K9/14 B01D9/00 B08B3/08 B08B7/00 B22F1/02 B22F9/00 B32B19/00 B32B9/00 B32B9/04 B82B1/00 B82B3/00 C01B19/00 C01G11/00 C07C13/00 C07D333/00 C07D497/00 C07F9/00 C08G61/00 C08K3/00 C08L101/00 C09K11/00 C09K11/02 C09K11/08 C12N13/00 F24J2/06 G01N33/58 G02B1/04 G02B5/10 G02B6/00 G02B6/02 G02B6/10 G02B6/122 G02F1/01 G02F1/29 G03C5/00 H01B1/00 H01B1/12 H01J1/30 H01L23/00 H01L29/06 H01L31/00 H01L31/0248 H01L31/0256 H01L31/0264 H01L31/036 H01L31/04 H01L31/052 H01L31/18 H01L51/00 H01L51/42 H01M14/00 H01S3/06 H05B33/00 (Core/Invention); C07F9/00 G02F1/29 H01L31/00 H01L51/00 H01S5/00 (Core/Non-invention); C08K C12N H01L (Subclass/Invention)

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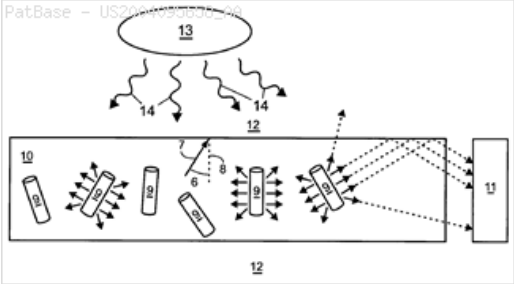
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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BURETEA MIHAI A CHO ; SCHER ERIK ; SCHER ERIK C ; STEVE EMPEDOCLES ; WHITEFORD JEFF ; WHITEFORD JEFFERY A ; BURETEA MIHAI A ; QIU KEVIN ; NGUYEN LINH HONG

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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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: PLASMA DISPLAY PANEL FILTERS

Abstract: The present invention is in the field of plasma display panel filters, and more specifically the present invention is in the field of multiple **layer** plasma display panel filters comprising a PVB **layer**. Also included are methods of filtering plasma display panel radiation and plasma display panel devices utilizing plasma display panel filters of the present invention.

Classifications:

International (IPC 8-9): B32B17/10 B32B27/32 B32B27/36

G02B5/22 H01J11/10 H01J11/44 H01J17/49 H01J5/16

H01J61/40 (Advanced/Invention);

B32B17/06 B32B27/32 B32B27/36 G02B5/22 H01J17/49 H01J5/02

H01J61/38 (Core/Invention)

International (IPC 1-7): G02B1/08 G02B5/22 H01J17/49

CPC: Y10T428/31645 Y10T428/31855 Y10T428/3163 Y10T428/31649

Y10T428/31786 B32B17/10788 B32B17/10 B32B17/10036

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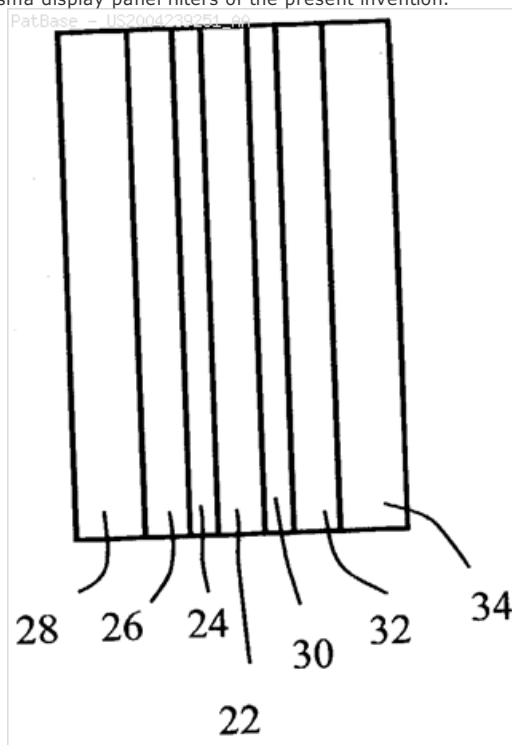
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B32B17/10G36 G02B5/22D H01J11/10 H01J11/44 T01J211/44F

US: 313/110 313/112 313/582 313/587 313/587P 313/587S 428/220

428/220P 428/437 428/437S 428/441 428/441P 428/442 428/442S

428/480 428/480S 428/500 428/500S



Family:

Publication number	Publication date	Application number	Application date
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US2004239251 AA	20041202	US20030446148	20030528
US2004241458 AA	20041202	US20040852682	20040525
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US7245079 BB	20070717	US20040852682	20040525
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WO04106994 A2	20041209	WO2004US16735	20040527
WO04106994 A3	20050623	WO2004US16735	20040527

Priority:

US20030446148 20030528

US20040852682 20040525

US20060366104 20060302

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Inventor(s): (std): D HAENE POL ; GARRETT PAUL D ; GARRETT PAUL DANIEL ; GARRETT PAUL

Agent(s): BRENC LAW

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 KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: AQUEOUS DISPERSION, ITS PRODUCTION METHOD, AND ITS USE

Abstract: Aqueous dispersions including at least one thermoplastic resin; at least one dispersing agent; and water; wherein the dispersion has a pH of less than 12 are disclosed along with dispersions including at least one thermoplastic resin; at least one dispersing agent; and water wherein the dispersion has a volume average particle size of less than about 5 micro m. Some dispersions include less than about 4 percent by weight of the dispersing agent based on the weight of the thermoplastic resin. Other dispersions include at least one propylene-rich alpha-olefin interpolymer; at least one dispersing agent; and water. Methods of making such dispersions are also described.

Classifications:

International (IPC 8-9): A61F13/49 A61F13/53 A61L15/42 A61L15/60

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International (IPC 1-7): A61F13/00 A61L15/22 B01F3/12 B32B27/32 C08J5/00 C08J9/00 C08J9/28 C08L1/00 C08L23/00
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CPC: C08J3/03 C08J2323/02 C08F210/02 A61L15/24 C09D151/06 B05D2202/00 B05D2202/25 C08J2367/02 C09D167/02
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European: A61L15/24 A61L15/42E B32B15/08 B32B27/06 B32B27/32 B32B27/36 C08J3/03 C08J3/05 C08J3/12 C08J7/04L
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Publication number	Publication date	Application number	Application date
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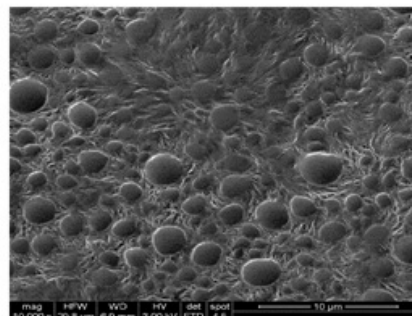


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Priority:

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Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): (std): ARGYROPOULOS JOHN N ; CZEREPINSKI RALPH G ; DIEHL CHARLES ; CZEREPINSKI RALPH G ; DIEHL CHARLES F ; DOW GLOBAL TECHNOLOGIES INC ; ECKERSLEY SARAH T ; DOW GLOBAL TECHNOLOGIES LLC ; DOW GLOBAL TECH LLC ; MONCLA BRAD M ; KALINOWSKI MATTHEW J ; MAAK KEVIN ; MAAK KEVIN D ; MAGLEY DAVID J ; MALOTKY DAVID L ; KAINZ BERNHARD ; LINDENMUTH DENISE ; STRANDBURG GARY M ; VANSUMEREN MARK W ; WU SHAOFU ; STOCKTON LUTHER E ; SPETH DAVID R ; SPETH DAVE ; STRANDBURG GARY ; SCHMIDT DALE ; SCHMIDT DALE C ; ROHM AND HAAS ; YOUNG TIMOTHY J ; WEVERS RONALD ; SPETH DAVID

Assignee(s): ROHN AND HAAS CO ; ROHN AND HAAS COMPANY ; DOW MF PRODUKTIONS GMBH AND CO OHG ; DOW GLOBAL TECHNOLOGIES LLC MIDLAND ; THE DOW GLOBAL TECHNOLOGIES INC ; ROHM AND HAAS CHEMICALS LLC ; ROHM AND HAAS CO ; ROHM AND HAAS COMPANY ; DOW CHEMICAL CO ; DOW BENELUX BV

Inventor(s): (std): CZEREPINSKI RALPH G ; DALE C SCHMIDT ; DALE SCHMIDT ; CHARLES F DIEHL ; CZEREPINSKI RALPH G ; DIEHL CHARLES ; ECKERSLEY SARAH T ; DIEHL CHARLES F ; GARY STRANDBURG ; DAVID R SPETH ; GARY M STRANDBURG ; DAVE SPETH ; KALINOWSKI MATTHEW J ; KALINOWSKI STRANDBURG GARY M VANS ; KEVIN MONCLA BRAD M KALINOWSKI ; KEVIN MAAK ; MATTHEW J KALINOWSKI ; LUTHER E STOCKTON ; MARK W VANSUMEREN ; LIANG WENBIN ; MONCIA BRAD M ; MAGLEY DAVID J ; KALINOWSKI MATTHEW JAMES ; KALINOWSKI MATTHEW ; MALOTKY DAVID L ; KAINZ BERNHARD ; LINDENMUTH DENISE ; HOUXIANG TANG ; DAVID L MALOTKY ; DHARAKUMAR METLA ; DENISE LINDENMUTH ; KALINOWSKI MATTHEW J ; MAAK KEVIN ; MAAK KEVIN D ; ARGYROPOULOS JOHN N ; BERNHARD KAINZ ; CHARLES DIEHL ; BRAD M MONCLA ; LUNDGARD RICHARD ; MECCA JODI M ; METLA DHARAKUMAR ; LUNDGARD RICHARD A ; LUNDGUARD RICHARD A ; JEFFREY WILBUR ; JINGHANG WU ; JODI M MECCA ; JAY D ROMICK ; STRANDBURG GARY M ; VANSUMEREN MARK W ; WU SHAOFU ; STOCKTON LUTHER E ; SPETH DAVID R ; MONCLA BRAD M ; SPETH DAVE ; STRANDBURG GARY ; SCHMIDT DALE ; WEVERS RONALD ; SCHMIDT DALE C ; SARAH T ECKERSLEY ; RALPH G CZEREPINSKI ; SHAOFU WU ; VANSUMEREN MARK ; STOCKTON LUTHER ; WEVERS RONALD ; YOUNG TIMOTHY J ; MONCLA BRAD MAURICE ; MONCLA BRAD ; SPETH DAVID ; WILBUR JEFFREY ; WU JINGHANG ; TANG HOXIAN ; ROMICK JAY D ; ZHANG QING ; Q ZHANG ; RICHARD A LUNDGARD ; QING ZHANG

Inventor(s): STRANDBURG GARY M MOUNT PLEASANT ; SPETH DAVID R UPPER ARLINGTON ; MONCLA BRAD M LAKE JACKSON ; SCHMIDT DALE MIDLAND ; VANSUMEREN MARK W MIDLAND ; WU SHAOFU SUGAR LAND ; STOCKTON LUTHER E MIDLAND ; MONCLA BRAD M LAKE JACKSON ; SCHMIDT DALE C MIDLAND ; STRANDBURG GARY M VANSUMEREN MARK W WU SHAOFU STOC ; MONCLA BRAD M KALINOWSKI MATTHEW J SPETH DAVE STRA ; KALINOWSKI MATTHEW J FREELAND ; MAAK KEVIN MIDLAND ; BRAD M MONCIA ; MATTHEW J KALINOWSKI ; ECKERSLEY SARAH ; DIEHL CHARLES BLUE BELL ; ECKERSLEY SARAH T MIDLAND ; DIEHL CHARLES F LAKE JACKSON ; CZEREPINSKI RALPH ; CZEREPINSKI RALPH G MIDLAND

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR; MURGITROYD AND CO; HAYES ADRIAN CHETWYND; RAYNOR JOHN; BECK GREENER; CHUNG HSU MIN; BOULT WADE TENNANT; HOUGHTON MARK PHILLIP; MCLEAN CRAIG SUTHERLAND; DE ELZABURU ALBERTO; KOBAYASHI HIROSHI; OHMORI NORIO; SENDA PATENT BUREAU; MARKS AND CLERK SINGAPORE LLP; JENKENS AND GILCHRIST; THE DOW CHEMICAL COMPANY, INTELLECTUAL PROPERTY SECTION; DOW CHEMICAL CO INTELLECTUAL PROPERTY SECTION; OSHA LIANG LLP; THE DOW CHEMICAL COMPANY; DOW CHEMICAL CO; BROOKS CAMERON AND HUEBSCH PLLC; HUEBSCH JOSEPH C

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 YU ZA ZM ZW

Title: LUMINESCENT ORGANIC-INORGANIC NANOCOMPOSITE MULTILAYER OR MONOLAYER FILM, USEFUL AS **LAYER** FOR CONVERTING PHOTONS OF ULTRAVIOLET SPECTRUM INTO PHOTONS OF VISIBLE SPECTRUM, COMPRISES **POLYMER** MATRIX, AND ZINC OXIDE NANOPARTICLES

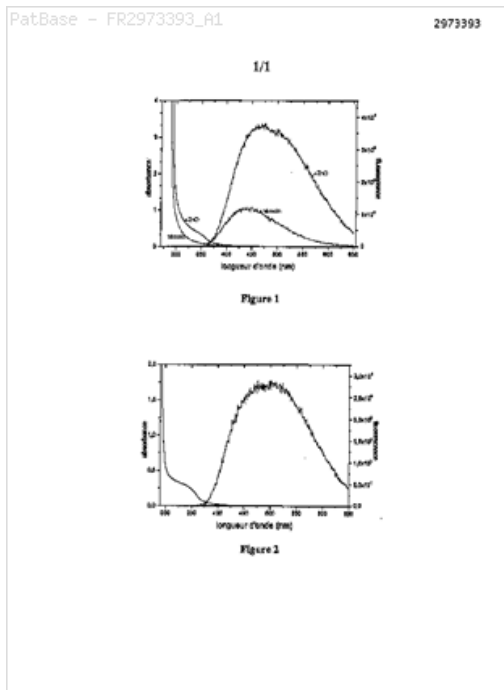
Abstract: The luminescent organic-inorganic nanocomposite multilayer or monolayer film comprises a **polymer** matrix, and zinc oxide nanoparticles (2 weight percent) incorporated in the **polymer** matrix. The nanoparticles have an average granulometry of 3-7 nm, and are coated by a ligand consisting of a functionalization ligand, compounds having a carboxyl function or an amine function and long chain fatty acids such as oleic acid. The **polymer** matrix comprises acrylic units and photopolymerizable monomeric units such as acrylic monomer units, and is obtained by photopolymerization. The luminescent organic-inorganic nanocomposite multilayer or monolayer film comprises a **polymer** matrix, and zinc oxide nanoparticles (2 weight percent) incorporated in the **polymer** matrix. The nanoparticles have an average granulometry of 3-7 nm, and are coated by a ligand consisting of a functionalization ligand, compounds having a carboxyl function or an amine function and long chain fatty acids such as oleic acid. The **polymer** matrix comprises acrylic units and photopolymerizable monomeric units such as acrylic monomer units, and is obtained by photopolymerization. The film coats a **surface** of a support made of **glass** or **plastic** material, and provides maximum **absorption** at a wavelength of less than 375 nm and/or minimum emission at a wavelength of 450-600 nm. The monolayer film has a thickness of 100 nm, and the multilayer film has a thickness of 500 nm to 50 μ m. An independent claim is included for a process for manufacturing a luminescent organic-inorganic nanocomposite multilayer or monolayer film.

Classifications:

International (IPC 8-9): B60J1/02 B82Y30/00 B82Y40/00 C08J5/18 C09K11/02 C09K11/54 G02B27/01 H01L31/055 H05B33/20 (Advanced/Invention)

CPC: C09K11/02 B82Y30/00 C01G9/02 C01P2002/84 C01P2004/64 C09K11/605 Y02E10/52

European: B82Y30/00 C01G9/02 C09K11/02 C09K11/60B2 M01P2/84 M01P4/64



Family:

Publication number	Publication date	Application number	Application date
FR2973393 A1	20121005	FR20110052757	20110331

Priority:

FR20110052757 20110331

Probable Assignee: SAINT GOBAIN

Assignee(s): (std): SAINT GOBAIN

Assignee(s): SAINT GOBAIN GLASS FRANCE

Inventor(s): (std): BALAN LAVINIA ; BERARD MATHIEU ; FAYOLLE MARINE

Inventor(s): LAVINIA BALAN ; MARINE FAYOLLE ; MATHIEU BERARD

Agent(s): CABINET CHAILLOT

Title: METHOD AND DEVICE FOR MEASURING GAS COMPONENT CONCENTRATION INSIDE A GLASS UNIT

Abstract: A non-invasive method for determining a concentration of a gas component in a gas mixture contained in a spacing of a glass unit having at least two glass sheets spaced apart from each other and forming the spacing. One or more light beams is applied at an angle to the surface of the glass unit, wherein the wavelength of the emitted light beam is varied around or over the at least one absorption line of the interest gas component. The light beams transmitted through or reflected from at least one surface or interface locating at the opposite side of the spacing are collected by a detector and non-linear variations in the intensity of the transmitted or reflected light beams over an absorption line of the interest gas is then component determined. The concentration of the gas component to be measured is determined based on the non-linear variations in the intensity.

Classifications:

International (IPC 8-9): G01B11/06 G01J3/443 G01N21/00 G01N21/3504 G01N21/39 G01N21/55 G01N21/61

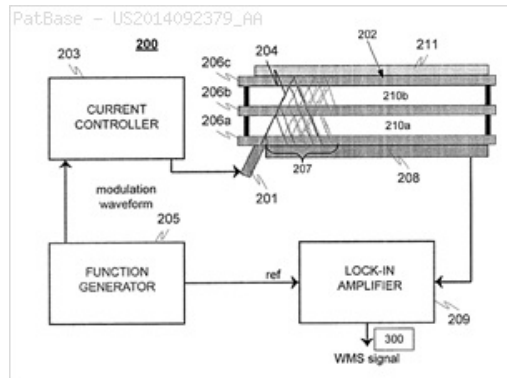
G01N21/67 (Advanced/Invention);

E06B3/66 G01N21/03 G01N21/67 (Advanced/Non-invention);

G01N (Subclass/Invention)

CPC: G01N21/61 G01N21/55 G01B11/06 G01J3/443 G01N21/031 G01N21/67 G01N2021/0396 E06B3/66 G01N21/39

US: 1/1 356/437 356/73



Family:

Publication number	Publication date	Application number	Application date
CN103649723 A	20140319	CN201280034171	20120518
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EP2710350 A1	20140326	EP20120785880	20120518
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JP2014517287 T2	20140717	JP20140510843T	20120518
JP5996636 B2	20160921	JP20140510843T	20120518
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US2014092379 AA	20140403	US20120118251	20120518
US9097666 BB	20150804	US20120118251	20120518
WO12156589 A1	20121122	WO2012FI50474	20120518

Priority:

FI20110005482 20110518 WO2012FI50474 20120518

Probable Assignee: OY SPARKLIKE AB

Assignee(s): (std): LAUNO ERNO ; NIIRANEN KAI ; SPARKLIKE AB OY

Assignee(s): OY SPARKLIKE AB

Inventor(s): (std): NIIRANEN KAI ; LAUNO ERNO

Agent(s): BERGGREN OY AB; YOUNG AND THOMPSON

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

Title: PHOTOVOLTAIC MODULE LIGHT MANIPULATION FOR INCREASED MODULE OUTPUT

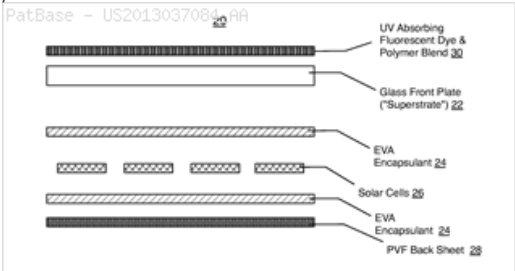
Abstract: Crystalline silicon photovoltaic (PV) cell-based and thin film PV material-based PV modules include a light management material configured to **absorb** solar energy incident on the PV module across a broad frequency spectrum and re-emit at least a portion of the **absorbed** solar energy in a **narrow** frequency spectrum at which the PV cells or PV materials are efficient at converting photon energy to electrical energy.

Classifications:

International (IPC 8-9): H01L31/042 H01L31/055 (Advanced/Invention)

CPC: Y02E10/52 Y02E10/542 H01L31/0547 H01L31/055 H01L31/0481

US: 136/247



Family:

Publication number	Publication date	Application number	Application date
US2013037084 AA	20130214	US20120572640	20120811
WO13023199 A2	20130214	WO2012US50489	20120811
WO13023199 A3	20130502	WO2012US50489	20120811

Priority:

US20110522637P 20110811 US20120572640 20120811

Probable Assignee: MILLER S

Assignee(s): (std): CHIDAMBARAM MAHENDRAN T ; MILLER S DANIEL

Assignee(s): MILLER S

Inventor(s): (std): CHIDAMBARAM MAHENDRAN T ; MILLER S DANIEL

Inventor(s): MILLER S

Agent(s): FAHMI TAREK N

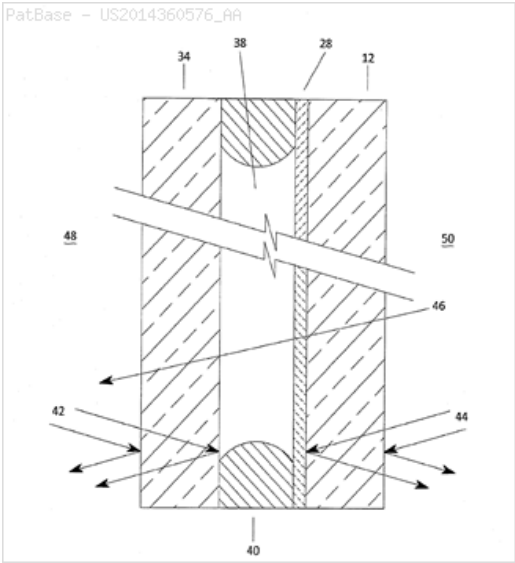
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY 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

Title: INTRINSICALLY SEMITRANSSPARENT SOLAR CELL AND METHOD OF CONTROLLING TRANSMITTED COLOR SPECTRUM

Abstract: A structural element is described to control the color of light transmitted and reflected from an intrinsically semitransparent photovoltaic cell and/or module for use with a PV window and methods for fabricating the same. Color control elements are described that will 1) control or shift the color spectrum of light transmitted through the PV window, 2) control or shift the color spectrum of light reflected from the outside of the window, and 3) control or shift the color spectrum of light reflected from the inside of the PV window.

Classifications:

International (IPC 8-9): B05D5/00 H01L31/0232 H01L31/052 H01L31/18 (Advanced/Invention)
CPC: H01L31/055 Y02E10/52 Y02E10/543 H01L31/056 H01L31/02327 H01L31/073 H01L31/1884 H01L31/0549
US: 136/256 136/257 438/70



Family:

Publication number	Publication date	Application number	Application date
US2014360576 AA	20141211	US20130374336	20130125
WO13112831 A1	20130801	WO2013US23139	20130125

Priority:

US20120590599P 20120125 US20130374336 20130125 WO2013US23139 20130125

Probable Assignee: LUCINTECH INC

Assignee(s): (std): LUCINTECH INC

Inventor(s): (std): CARTER CHAD W ; COMPAAN ALVIN D ; PLOTNIKOV VICTOR V ; STAYANCHO JOHN M

Agent(s): SCHAUB CHARLES R ET AL

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

Title: INORGANIC POLARIZING PLATE AND PRODUCTION METHOD THEREOF

Abstract: An inorganic polarizing plate, which contains: a substrate transparent to light in a wavelength range for use; linear metal **layers**; linear dielectric **layers**; and linear light-**absorbing layers** having a light **absorbing** function, provided in this order, wherein the linear metal **layers** are aligned being apart from each other on the substrate at a pitch shorter than wavelengths of the light; each of the linear dielectric **layers** is provided on each of the linear metal **layers**; each of the linear light-**absorbing layers** is provided on each of the linear dielectric **layers**; and a cross-sectional shape of the linear metal **layer** cut in a direction orthogonally crossing a longitudinal direction thereof is a trapezoid with a bottom base at a side of the substrate, and an upper base at a side of the linear dielectric **layer**, where the bottom base is longer than the upper base.

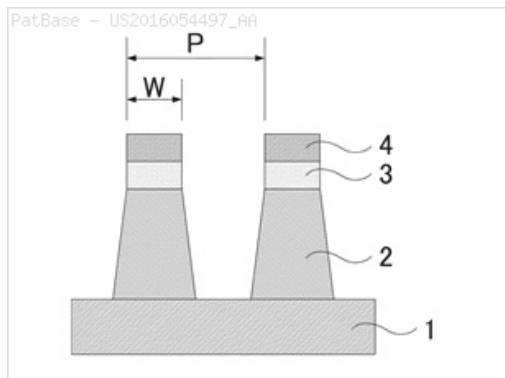
Classifications:**International (IPC 8-9):** C23F1/12 G02B5/30

G02F1/1335 (Advanced/Invention);

G02B1/08 G02B27/28 G02F1/01 G02F1/1335 (Advanced/Non-invention)

CPC: G02B5/3058 C23F1/12 G02B1/08 G02B27/28 G02F1/0136

G02F2001/133548

US: 216/13 359/485.04**Family:**

Publication number	Publication date	Application number	Application date
CN105388551 A	20160309	CN201510524640	20150824
JP2016045345 A2	20160404	JP20140169274	20140822
JP5996587 B2	20160921	JP20140169274	20140822
US2016054497 AA	20160225	US20150820286	20150806
US9988724 BB	20180605	US20150820286	20150806

Priority:

JP20140169274 20140822

Probable Assignee: DEXERIALS CORP**Assignee(s):** (std): DEXERIALS CORP**Assignee(s):** N A**Inventor(s):** (std): TAKAHASHI EIJI**Agent(s):** NAGARE YOSHIHIRO; MATSUDA NAKO; HIROTA KOICHI; BUCHANAN INGERSOLL AND ROONEY PC

Title: MACHINE-READABLE **GLASS**

Abstract: In one embodiment, a sidewalk-facing display window of a retail store is treated to scatter (or **absorb**) a portion of incident light, in a narrow wavelength spectral **band**. A machine-readable pattern, which encodes an identifier, is projected onto the treated window from outside the store. The reflection (**absorption**) of that projected pattern, within the narrow spectral **band**, escapes notice of shoppers on the sidewalk. Yet if a shopper captures imagery of a product displayed on the other side of the display window, using a mobile device camera, the pattern is captured with the imagery, and can be analyzed to decode the identifier. The mobile device can use this decoded identifier to access online information about the displayed product, for presentation to the shopper on the mobile device display. The technology is particularly suited for wearable computing devices, and more generally enables **glass** windows to subliminally convey digital information to image sensors conveyed by passing shoppers. A great variety of other features and arrangements are also detailed.

Classifications:

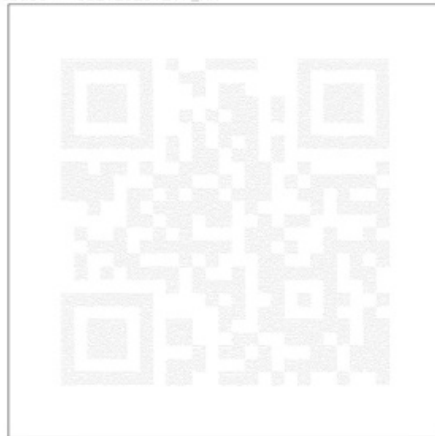
International (IPC 8-9): G06F21/16 G06K19/06 G06K7/10 G06K7/12 G06K7/14 G06K9/00 G06T1/00 G07D7/00 G07D7/1205 H04L9/32 H04N1/32 H04N1/387 H04N19/124 H04N19/467

H04N21/8358 (Advanced/Invention);
B42D25/333 (Advanced/Non-invention)

CPC: G06K19/06037 G06T1/0078 G06T1/0064 G06K7/1095 G09C5/00 H04N1/32309 H04N1/3232 H04N2201/327 H04N2201/3236 G06T1/0028 G06T1/005 G06T2201/0051 G06T2201/0061 G06T2201/0065 G06T2201/0202 H04N1/32 G06T1/0021 G06K7/12 G06K19/06056 G06K19/0614 G07D7/00 H04N19/467 H04N19/124 H04N1/32229 H04N1/32187 H04N1/32224 H04N1/32251 H04N1/32261 H04N1/32352 H04N2201/3233 B42D25/333 G07D7/0034 G07D7/1205

US: 235/383 235/494 382/100

PatBase - US2016180207_AA



Family:

Publication number	Publication date	Application number	Application date
CN107615330 A	20180119	CN201680029235	20160317
EP3271892 A1	20180124	EP20160769366	20160317
JP2018512799 T2	20180517	JP20170548442T	20160317
US2016180207 AA	20160623	US20150971930	20151216
US2016275326 AA	20160922	US20160073483	20160317
US2016275639 AA	20160922	US20150725399	20150529
US2017024840 AA	20170126	US20160072884	20160317
US2017230533 AA	20170810	US20170497042	20170425
US2017249540 AA	20170831	US20170460518	20170316
US2018130169 AA	20180510	US20170669103	20170804
US9600754 BB	20170321	US20150971930	20151216
US9635378 BB	20170425	US20150725399	20150529
US9754341 BB	20170905	US20160073483	20160317
WO16153911 A1	20160929	WO2016US22836	20160317
WO16153936 A1	20160929	WO2016US22967	20160317

Priority:

US20140096415P	20141223	US20150136146P	20150320	US20150142399P	20150402
US20150725399	20150529	US20150202723P	20150807	US20150208493P	20150821
US20150255181P	20151113	US20150263369P	20151204	US20150971930	20151216
US20160303320P	20160303	US20160308057P	20160314	US20160073483	20160317
US20160072884	20160317	WO2016US22836	20160317	US20170460518	20170316
US20170497042	20170425	US20170669103	20170804		

Probable Assignee: DIGIMARC CORP

Assignee(s): (std): DIGIMARC CORP

Inventor(s): (std): EVANS ERIC D ; FALKENSTERN KRISTYN R ; HAAGA DONALD ; HOLUB VOJTECH ; REED ALASTAIR M ; RODRIGUEZ TONG F ; RODRIGUEZ TONY F ; SCHULTE JEFFREY B ; SHARMA RAVI K

Agent(s): HOARTON LLOYD DOUGLAS CHARLES; DIGIMARC CORP; STEWART STEVEN W

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

Title: AGGREGATE OF METAL FINE PARTICLES, METAL FINE PARTICLE DISPERSION LIQUID, HEAT RAY SHIELDING FILM, HEAT RAY SHIELDING **GLASS**, HEAT RAY SHIELDING FINE PARTICLE DISPERSION BODY, AND HEAT RAY SHIELDING **LAMINATED** TRANSPARENT BASE MATERIAL

Abstract: There is provided an aggregate of metal fine particles, a metal fine particle dispersion liquid, a heat ray shielding film, a heat ray shielding **glass**, a heat ray shielding fine particle dispersion body and a heat ray shielding **laminated** transparent base material, having sufficient properties as a solar radiation shielding material which widely shields a heat ray component included in sunlight, and in which selectivity of a light **absorption** wavelength is controlled, wherein when a shape each metal fine particle is approximated to an ellipsoid, and mutually orthogonal semi-axial lengths are defined as a, b, c (a greater than or equal to b greater than or equal to c) respectively, an average, a standard deviation, and a distribution, etc., of the values of the aspect ratio a/c of the metal fine particles are in a predetermined range, and the metal is silver or a silver alloy.

Classifications:

International (IPC 8-9): B22F1/00 B32B27/18 B32B7/02 B82Y20/00 B82Y30/00 C03C17/32 C03C27/12 C03C4/08 C08J5/18 C08K3/08 C08K7/00 C08L101/00 C09D7/12 C22C5/02 C22C5/04 C22C5/06 G02B5/22 (Advanced/Invention); C22C5/02 C22C5/06 (Advanced/Non-invention)

CPC: B22F1/0044 B22F2301/255 B22F1/0096 C22C5/04 B22F1/00 C22C5/02 C22C5/06

Family:

Publication number	Publication date	Application number	Application date
CN108025356 A	20180511	CN201680032511	20160602
EP3305442 A1	20180411	EP20160803466	20160602
JP2016221944 A2	20161228	JP20150227131	20151119
JP2016222887 A2	20161228	JP20150227129	20151119
JP2016223004 A2	20161228	JP20150227130	20151119
KR20180014771 A	20180209	KR20177037703	20160602
TW201706347 A	20170216	TW20160117718	20160602
US2018141118 AA	20180524	US20160579413	20160602
WO16195032 A1	20161208	WO2016JP66450	20160602

Priority:

JP20150112691 20150602 JP20150112692 20150602 JP20150112693 20150602
 JP20150227129 20151119 JP20150227130 20151119 JP20150227131 20151119
 WO2016JP66450 20160602

Probable Assignee: SUMITOMO METAL MINING CO

Assignee(s): (std): SUMITOMO METAL MINING CO

Assignee(s): SUMITOMO METAL MINING CO LTD

Inventor(s): (std): ADACHI KENJI ; MACHIDA KEISUKE ; MACHIDA YOSHISUKE

Agent(s): BETTEN AND RESCH; ANIYA SETUO

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 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