

Search history

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Title: LIGHT AND FILTER SUPPORT STRUCTURE

Abstract: A ceiling structure for retaining air filter panels having a grid of interconnected rails. Each rail has a recessed channel for containing a light fixture so that the light fixture does not hang below the ceiling surface. The structure may also include **hanger** hooks attachable to the rails for suspending fixtures, wall panels, and pivoting wall headers to permit angled arrangements of wall panels. The light fixture attached within the channel is an extruded panel that snaps into the channel and which includes standard light tube connectors.

Classifications:

International (IPC 8-9): E04B9/00 E04B9/02

E04B9/06 (Advanced/Invention)

International (IPC 1-7): E04B2/00 E04B9/00 E04B9/02 E04B9/06 F21S3/02

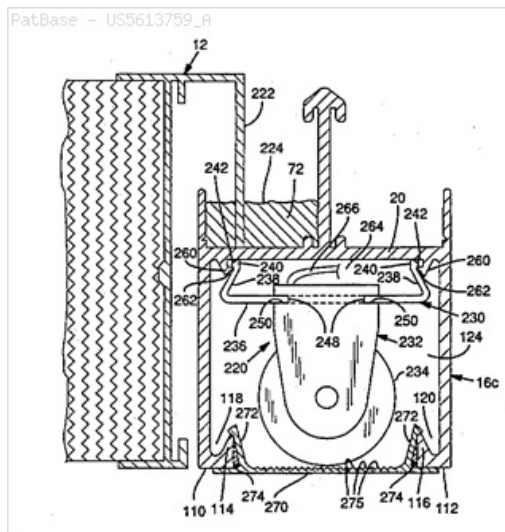
CPC: E04B9/006 E04B9/008 E04B9/02 E04B9/064 F21S8/02

F21V19/008 F21Y2103/00

European: E04B9/00D E04B9/00E E04B9/02 E04B9/06E R21S8/02

R21V19/00F1 R21Y103/00

US: 362/149 362/150 362/223 454/293 52/28 52/506.06 52/506.07 52/506.08 55/385.2



Family:

Publication number	Publication date	Application number	Application date
DE69218860 D1	19970515	DE19926018860	19920803
DE69231211 D1	20000803	DE19926031211	19920803
DE69231211 T2	20010315	DE19926031211T	19920803
DK0751265 T3	20000828	DK19920115244T	19920803
EP0530976 A1	19930310	EP19920307081	19920803
EP0530976 B1	19970409	EP19920307081	19920803
EP0751265 A2	19970102	EP19960115244	19920803
EP0751265 A3	19970122	EP19960115244	19920803
EP0751265 B1	20000628	EP19960115244	19920803
JP5195595 A2	19930803	JP19920203743	19920730
US5613759 A	19970325	US19950390803	19950214
US5794397 A	19980818	US19960756228	19961125

Priority:

US19910720186 19910624	US19910739693 19910802	EP19920307081 19920803
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US19930166593 19931213	US19940292055 19940817	US19950390803 19950214
US19960756228 19961125		

Probable Assignee: CLEANPAK INT INC

Assignee(s): (std): CLEANPAK INT INC ; BURATSUDO AND MAKUKURANGU PEISU ; BROD AND MCCLUNG PACE CO

Assignee(s): BURATSUDO AND MAKUKURANGU PEISU CO ; BROAN NUTONE LLC A DELAWARE LLC ; BROAN NUTONE STORAGE SOLUTIONS LP A DELAWARE PARTN ; BROD AND MCCLUNG PACE CO PORTLAND ; BROD AND MCCLUNG PACE CO PORTLAND OREG US ; BROAN NUTONE STORAGE SOLUTIONS LP A DELAWARE PARTNERSHIP LTD ; BROAN NUTONE LLC ; BROAN NUTONE STORAGE SOLUTIONS LP ; BARCOM CHINA HOLDINGS LLC ; BNSS GP INC ; BNSS LP INC ; BROAN MEXICO HOLDINGS INC ; CLEANPAK INT ; COAST BUSINESS CREDIT A DIVISION OF SOUTHERN PACIFI ; ADVANCED BRIDGING TECHNOLOGIES INC ; AIGIS MECHTRONICS INC ; ALLSTAR PRO LLC ; AUBREY MFG INC ; AVC GROUP LLC A DELAWARE LLC ; BANK OF AMERICA NA ; BARCOM ASIA HOLDINGS LLC ; GATES THAT OPEN LLC A FLORIDA LLC ; CLEANPAK INT LLC ; CLEANPAK INT INC A DELAWARE CORP ; COAST BUSINESS CREDIT A DIVISION OF SOUTHERN PACIFIC BANK ; CLEANPAK INT INC (A DELAWARE CORPORATION) ; CLEANPAK INT INC A DELAWARE CORPORATION ; CES GROUP LLC SUCCESSOR BY MERGER TO HUNTAIR INC ; CORE BRANDS LLC F K A PANAMAX LLC ; CORE BRANDS LLC SUCCESSOR BY MERGER TO AVC GROUP LLC ; CORE BRANDS LLC SUCCESSOR BY MERGER TO SPEAKERCRAFT LLC ; ERGOTRON INC ; GTO ACCESS SYSTEMS LLC F K A GATES THAT OPEN LLC ; CES GROUP LLC ; CES GROUP INC ; CES INT LTD ; CORE BRANDS LLC ; ELAN HOME SYSTEMS LLC ; GATES THAT OPEN LLC ; GEFFEN INC ; GEFFEN LLC ; GOVERNOR CORP ; GTO INC ; UBS AG ; PACE CO ; JEB INC ; US BANK NATIONAL ASSOCIATION ; HUNTAIR INC ; NORTEK INC ; NORTEK HOLDINGS INC ; HUNTAIR INC A DELAWARE CORP ; LINEAR LLC A CALIFORNIA LLC ; MAGENTA RESEARCH LTD A CONNECTICUT CORP ; NORDYNE LLC A DELAWARE LLC ; OMNIMOUNT SYSTEMS INC A ARIZONA CORP ; PANAMAX LLC A CALIFORNIA LLC ; SECURE WIRELESS INC A CALIFORNIA CORP ; SPEAKERCRAFT LLC A DELAWARE LLC ; VENMAR CES INC A CANADIAN CORP ; UBS STAMFORD BRANCH COLLATERAL AGENT AG AS ; UBS STAMFORD BRANCH ADMINISTRATIVE AGENT AG AS ; LINEAR LLC ; LINEAR LLC SUCCESSOR BY MERGER TO SECURE WIRELESS INC ; MAGENTA RESEARCH LTD ; NORDYNE LLC ; NORTEK AIR SOLUTIONS LLC ; HC INSTALLATIONS INC ; HOMELOGIC LLC ; HUNTAIR MIDDLE EAST HOLDINGS INC ; INT ELECTRONICS INC ; INT ELECTRONICS LLC ; JAR IND INC ; JENSEN IND INC ; LINEAR HK LLC ; LITE TOUCH INC ; LITETOUCH INC ; MAMMOTH INC ; MAMMOTH WEBCO INC ; NILES AUDIO CORP ; NORDYNE CHINA LLC ; NORDYNE INC ; NORDYNE INT INC ; NORTEK INT INC ; NUTONE INC ; NUTONE LLC ; OMNIMOUNT SYSTEMS INC ; OPERATOR SPECIALTY CO INC ; PACIFIC ZEPHYR RANGE HOOD INC ; PANAMAX INC ; PANAMAX LLC ; RANGAIRE GP INC ; RANGAIRE LP ; RANGAIRE LP INC ; REZNOR LLC ; SECURE WIRELESS INC ; SPEAKERCRAFT INC ; SPEAKERCRAFT LLC ; TEMTROL INC ; TV ONE BROADCAST SALES CORP ; VENMAR VENTILATION INC CANADIAN CORP ; WELLS FARGO BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS ; WDS LLC ; WEBCO INC ; XANTECH CORP ; XANTECH LLC ; ZEPHYR CORP ; ZEPHYR VENTILATION LLC

Inventor(s): (std): SPRADLING RICHARD E ; LUDWIG CRAIG S ; RICHIIYAADO II SUPURETSUDORINGU ; KUREIGU ESU
RUDOUITSUGU ; BENSON DAVID E

Designated states: CH DE DK ES FR GB IE IT LI NL SE

Title: HIGH POWER UMBILICALS FOR SUBTERRANEAN ELECTRIC DRILLING MACHINES AND REMOTELY OPERATED VEHICLES

Abstract: The method of providing in excess of 60 kilowatts of electrical power to the electrical motor of a subterranean electric drilling machine through a substantially neutrally buoyant composite umbilical containing electrical conductors to reduce the frictional drag on the neutrally buoyant umbilical. Drilling and casing subterranean monobore wells are contemplated to distances of 20 miles from a wellsite. For drilling applications, the umbilical possesses a drilling fluid conduit. The umbilical also possesses high speed data communications such as a fiber optic cable or a coaxial cable that is used in the feedback control of the downhole electric drilling motor. Such umbilicals are also useful to provide power to remotely operated vehicles for subsea well servicing applications.

Classifications:

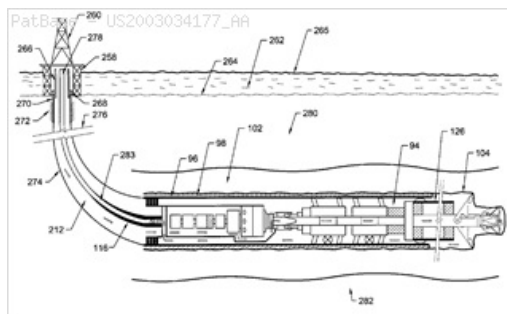
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International (IPC 1-7): E21B1/00 E21B10/58 E21B17/01 E21B17/20 E21B21/00 E21B21/10 E21B23/00 E21B27/00 E21B29/12 E21B33/00 E21B33/14 E21B33/16 E21B36/00 E21B4/04 E21B4/18 E21B43/00 E21B43/10 E21B44/06 E21B47/12 E21B7/00 E21B7/06 E21B7/20 H01L

CPC: E21B4/18 E21B7/06 E21B33/1243 E21B33/126 E21B43/103 E21B43/105 E21B7/04 E21B43/128 B64C1/26 B64C2001/0072 Y10T428/1369 E21B36/04 E21B7/06 E21B7/20 E21B10/64 E21B17/206 E21B21/10 E21B23/00 E21B23/10 E21B33/14 E21B33/16 E21B34/105 E21B41/0085 E21B2023/008 G01M11/083 G01N3/08 G01M5/0083 G01R31/008 B29C73/10 B29C73/24 E21B4/04 Y02T50/43 B64F5/60 G01M11/085

European: E21B10/64 E21B17/20D E21B21/00 E21B21/10 E21B23/00 E21B23/10 E21B33/124B E21B33/126 E21B33/14 E21B33/16 E21B34/10R E21B36/04 E21B4/04 E21B4/18 E21B41/00R E21B43/10F E21B43/10F1 E21B43/12B10 E21B7/04 E21B7/06F E21B7/06M E21B7/20 P21B23/00T

US: 114/312 114/322 114/328 166/241.1 166/241.100S 166/250.01 166/250.15 166/250.150P 166/272 166/272.1 166/285 166/285S 166/291 166/292 166/292S 166/302 166/347 166/360 166/367 166/369 166/38 166/380 166/380S 166/386 166/53 166/53S 166/54 166/57 166/61 166/65.1 166/65.100S 166/66.4 166/66.7 166/667 175/101 175/104 175/107 175/107S 175/171 175/22 175/257 175/261 175/309 175/318 175/320 175/324 175/327 175/40 175/40P 175/57 175/57P 175/61 175/65 175/65P 175/92 175/97 264/108 340/853.3 405/191 428/36.3 701/32.8 702/12 702/144 702/42 73/777



Family:

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AT360132 E	20070515	AT20020768573T	20020816
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Priority:

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Probable Assignee: SMART DRILLING AND COMPLETION INC

Assignee(s): (std): SMART DRILLING AND COMPLETION ; SMART DRILLING AND COMPLETION INC ; VAIL III WILLIAM BANNING ; VAIL III WILLIAM B ; VAIL WILLIAM BANNING ; WEATHERFORD LAMB ; VAIL WILLIAM B III ; CHITWOOD JAMES E ; CROSSLAND WILLIAM G ; DEKLE ROBERT L ; SKERL DAMIR S ; VAIL WILLIAM BANNING III

Assignee(s): WEATHERFORD AND LAMB INC ; WEATHERFORD TECHNOLOGY HOLDINGS LLC ; SMAART DRILLING AND COMPLETION INC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; WEATHERFORD LAMB INC

Inventor(s): (std): CHITWOOD JAMES E ; CROSSLAND WILLIAM G ; DAMIR S SKERL ; DEKLE ROBERT L ; JAMES E CHITWOOD ; ROBERT L DEKLE ; SKERL DAMIR S ; WILLIAM BANNING III VAIL ; WILLIAM G CROSSLAND ; VAIL III WILLIAM BANNING ; VAIL III WILLIAM B ; SKERL TOMISLAV ; SKERL DAMIER S ; SCHWINBERG PAUL B ; MOMII STEVEN T ; VAIL WILLIAM B III ; VAIL WILLIAM BANNING ; VAIL WILLIAM BANNING III

Inventor(s): VAIL WILLIAM BIII ; CHITWOOD JAMES ; VAIL ; VAIL WILLIAM ; III WILLIAM BANNING

Agent(s): GOODWIN MCKAY; PARLEE MCLAWS LLP; PATTERSON AND SHERIDAN LLP; WILLIAM BANNING VAIL III; MOSER PATTERSON AND SHERIDAN LLP; SHERIDAN ROSS 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 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: RAISED ISLAND ABRASIVE AND PROCESS OF MANUFACTURE

Abstract: Abrasive sheet materials, abrasive sheet materials with island distributions of abrasive particles, processes for manufacture of abrasive sheet materials with minimized abrasive content, processes for attaching abrasive particles exclusively on the top surface of raised islands in monolayers, and processes for attaching raised island foundation structures to inexpensive flexible backing sheets are described. The process for manufacturing the abrasive sheeting provides an economical method for providing improved quality abrasive sheeting, while also allowing for greater control over the shape and distribution of abrasive islands on the sheet than is available from present processes of manufacture.

Classifications:

International (IPC 8-9): B23P25/00 B24B1/00 B24B27/00 B24B37/00 B24B37/04 B24B45/00 B24B5/00 B24B7/00 B24B9/00 B24D11/00 B24D18/00 B24D3/00 B24D3/28 B24D9/10 B29B11/16 B29B9/00 B29B9/08 C09K3/14 (Advanced/Invention); B24B1/00 B24B7/00 B24D11/00 B24D18/00 B24D3/00 C09K3/14 (Core/Invention)

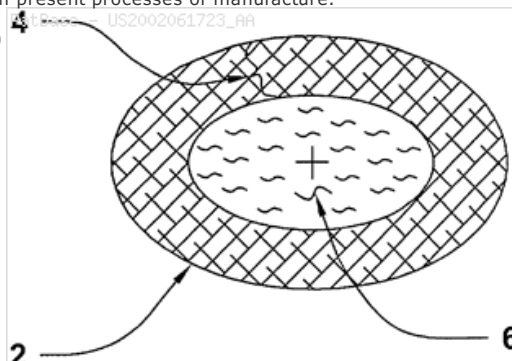
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European: B24B1/00 B24B37/00 B24B37/04B B24B37/12 B24B37/14 B24B37/24F B24B37/26 B24B45/00 B24B5/00 B24B7/00 B24B9/00 B24D11/00 B24D11/00B B24D18/00 B24D9/10 C09K3/14C

US: 264/11 264/12 264/13 264/15 29/527.1 29/527.2 451/178

451/259 451/259P 451/28 451/285 451/286 451/287 451/290 451/36 451/360 451/41 451/449 451/494 451/527 451/527P 451/53 451/530 451/533 451/539 451/548 451/548P 451/550 451/56 451/56P 451/59 51/293 51/293S 51/298 51/300 51/300S 51/309



Family:

Publication number	Publication date	Application number	Application date
EP1207015 A2	20020522	EP20010309698	20011116
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Priority:

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Probable Assignee: KELTECH ENGINEERING INC

Assignee(s): (std): DUESCHER WAYNE O ; KELTECH ENGINEERING ; KELTECH ENGINEERING INC

Inventor(s): (std): DUESCHER WAYNE O

Inventor(s): DUESCHER WAYNE

Agent(s): TSURUTA JUNICHI; NISHIYAMA MASAYA; HIGUCHI SOTOJI; ISHIDA TAKASHI; MARK A LITMAN AND ASSOCIATES PA YORK BUSINESS CENTER; MARK A LITMAN AND ASSOCIATES PA; YORK BUSINESS CENTER

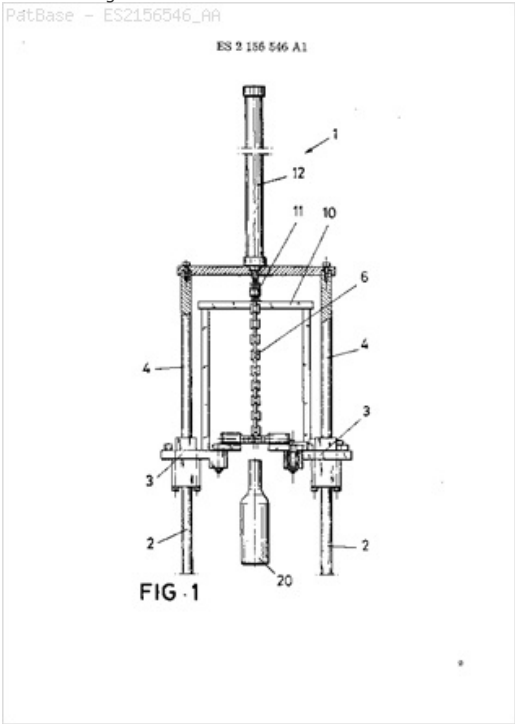
Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Title: Automatic gillnetting machine for bottles and similar elements

Abstract: Automatic gillnetting machine for bottles and similar elements that consists in a structure on which four load spindles (5) are placed and on which the gills are placed on a threaded creel hanging from a hook (6) due to the rotation movement of the spindles provided by the motor (7) through a Cardan joint the bottles (20) are placed on the transport belt (10) passing to a gillnetting position acting different cylinders composing the handler (9), the bridge (10), and the hook (11) the set-bridge (10) is mobilised by a cylinder (12) that covers the bottle with the gillnet.

Classifications:

International (IPC 8-9): B65B21/24 B65B9/13
B65D23/08 (Advanced/Invention);
B65B21/00 B65B9/10 B65D23/00 (Core/Invention)
International (IPC 1-7): B65B21/24 B65B9/13 B65D23/08



Family:

Publication number	Publication date	Application number	Application date
ES2156546 AA	20010616	ES19990000785	19990415
ES2156546 BA	20020201	ES19990000785	19990415

Priority:

ES19990000785 19990415

Probable Assignee:

PRODIMED SA

Assignee(s): (std):

PRODIMED S A ; PRODIMED SA

Inventor(s): (std):

BUSTELO GARCIA MONZON JOAQUIN

Title: MECHANICAL PIPE COUPLING DERIVED FROM A STANDARD FITTING

Abstract: A coupling for joining pipe segments together is disclosed. The coupling is derived from a standard fitting and has a housing with a socket and a first expanded region adjacent to the socket and a second expanded region adjacent to the first expanded region. A sealing member is positioned in the first expanded region and a retainer is positioned in the second expanded region. A flange turned inwardly on the second expanded region captures the sealing member and the retainer. The retainer has a plurality of radial teeth angularly oriented to engage a pipe and prevent its removal from the coupling. Each tooth has a stiffening rib arranged lengthwise along the tooth.

Classifications:

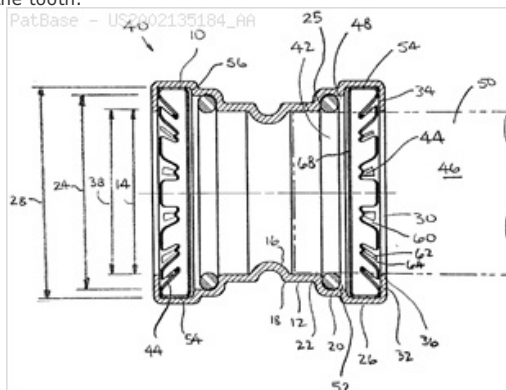
International (IPC 8-9): A61M39/00 B21D39/00 B23P11/00 B23P11/02 F16L17/00 F16L17/02 F16L19/06 F16L19/08 F16L21/00 F16L21/02 F16L21/08 F16L25/06 F16L33/00 F16L37/00 F16L37/08 F16L37/091 F16L39/00 F16L43/00 (Advanced/Invention); A61M39/00 B21D39/00 B23P11/00 B23P11/02 F16L37/00 (Core/Invention)

International (IPC 1-7): F16L1/00 F16L101 F16L101/00 F16L101/00 F16L17/00 F16L19/06 F16L19/08 F16L21/02 F16L21/08 F16L25/00 F16L25/06 F16L37/08 F16L37/091 F16L39/00

CPC: F16L21/08 F16L19/061 F16L19/086 F16L21/02 Y10T29/49872 Y10T29/49913 F16L37/091

European: F16L19/06C F16L19/08C2 F16L21/02 F16L21/08 F16L37/091

US: 285/104 285/105 285/105P 285/179 285/232 285/307 285/317 285/317S 285/319 285/319S 285/321 285/322 285/322S 285/340 285/340P 285/345 285/345S 285/369 285/369S 285/374 285/374P 29/451 29/508



Family:

Publication number	Publication date	Application number	Application date
AU2002237819 AA	20020730	AU20020237819	20020115
AU2003225006 AA	20031103	AU20030225006	20030416
AU2003225006 AH	20031103	AU20030225006	20030416
AU2003290578 AA	20040615	AU20030290578	20031103
AU2003290578 AH	20040615	AU20030290578	20031103
AU2003299555 AA	20040615	AU20030299555	20031103
AU2003299555 AH	20040615	AU20030299555	20031103
CA2482731 AA	20041015	CA20032482731	20030416
CA2571234 AA	20061208	CA20052571234	20050607
DE112005000896 T5	20070503	DE200511000896	20050607
EP1579138 A2	20050928	EP20030721707	20030416
GB200424377 A0	20041208	GB20040024377	20030416
GB200619050 A0	20061108	GB20060019050	20050607
GB2403783 A1	20050112	GB20040024377	20030416
GB2403783 B2	20060531	GB20040024377	20030416
GB2427451 A1	20061227	GB20060019050	20050607
JP2005536690 T2	20051202	JP20030586522T	20030416
JP2008513687 T2	20080501	JP20070516540T	20050607
TW522206 B	20030301	TW20020100673	20020117
US2002135184 AA	20020926	US20010007951	20011203
US2002185868 AA	20021212	US20020123607	20020416
US2003067170 AA	20030410	US20020299164	20021119
US2003071460 AA	20030417	US20020299281	20021119
US2004239115 AA	20041202	US20040869758	20040616
US2005146133 AA	20050707	US20050069525	20050301
US2006265852 AA	20061130	US20060484117	20060711
US6913292 BB	20050705	US20020123607	20020416
US7121593 BB	20061017	US20020299281	20021119
US7500699 BB	20090310	US20020299164	20021119
WO02057673 A2	20020725	WO2002US00953	20020115
WO02057673 A3	20040708	WO2002US00953	20020115
WO03089827 A2	20031030	WO2003US11780	20030416
WO03089827 A3	20060323	WO2003US11780	20030416
WO04046596 A2	20040603	WO2003US34925	20031103
WO04046596 A3	20040715	WO2003US34925	20031103
WO04046602 A1	20040603	WO2003US34983	20031103
WO04046602 C1	20040812	WO2003US34983	20031103
WO06009614 A2	20060126	WO2005US19863	20050607
WO06009614 A3	20090430	WO2005US19863	20050607
WO06093833 A2	20060908	WO2006US06639	20060222
WO06093833 A3	20070518	WO2006US06639	20060222
WO08008172 A2	20080117	WO2007US14748	20070626
WO08008172 A3	20080605	WO2007US14748	20070626

Priority:

US20010262820P	20010119	US20010007951	20011203	WO2002US00953	20020115
US20020123607	20020416	US20020123607	20020416	US20020299281	20021119
US20020299164	20021119	WO2003US11780	20030416	WO2003US34925	20031103
WO2003US34983	20031103	US20040869758	20040616	US20050069525	20050301
WO2005US19863	20050607	US20060484117	20060711		

Probable Assignee: VICTAULIC CO

Assignee(s): (std): CAMRON TERRANCE M ; CAROM TERRANCE ; CAROM TERRANCE M ; CUVO ANTHONY J ; DOLE

DOUGLAS ; DOLE DOUGLAS R ; SNYDER RONALD R ; SNYDER RONALD R SR ; SNYDER RONALD SR ; WILK CHARLES E ; THAU LAWRENCE W ; VICTAULIC CO OF AMERICA ; WILK CHARLES E JR ; THAU LAWRENCE W JR ; SNYDER SR RONALD R ; WILK JR CHARLES E ; THAU JR LAWRENCE W ; SUN JIANYONG ; WILK CHARLES JR ; THAU LAWRENCE JR ; VICTAULIC COMPANY OF AMERICA ; WILK JR CHARLES

Assignee(s): VICTAULIC COMPANY ; VICTAULIC CO ; SNYDER SR

Inventor(s): (std): CAMRON TERRANCE M ; CAROM TERRANCE ; CAROM TERRANCE M ; CHARLES E ; CHARLES E JR WILK ; CHARLES JR WILK ; CUVO ANTHONY J ; DOLE DOUGLAS ; DOLE DOUGLAS R ; DOUGLAS DOLE ; DOUGLAS R DOLE ; JR ; JR CHARLES E WILK ; LAWRENCE W ; LAWRENCE W JR THAU ; RONALD R ; RONALD R SR SNYDER ; JR LAWRENCE W THAU ; LAWRENCE JR THAU ; RONALD SR SNYDER ; SNYDER SR ; SNYDER SR RONALD ; SNYDER SR RONALD R ; SR ; SR RONALD R SNYDER ; SUN JIANYONG ; TERRANCE CAROM ; TERRANCE M CAMRON ; TERRANCE M CAROM ; THAU JR LAWRENCE ; THAU JR LAWRENCE W ; THAU LAWRENCE W ; THAU LAWRENCE W JR ; SNYDER RONALD R ; SNYDER RONALD R SR ; WILK CHARLES E ; WILK CHARLES E JR ; WILK JR CHARLES ; WILK JR CHARLES E ; WILK CHARLES JR ; THAU LAWRENCE JR ; SNYDER RONALD SR

Inventor(s): SNYDER RONALD ; THAU LAWRENCE ; ANTHONY J CUVO ; WILK CHARLES ; WILK CHARLES EJR ; SNYDER RONALD RSR ; THAU LAWRENCE WJR ; WILK ; THAU ; SR RONALD R ; SNYDER ; LAWRENCE THAU JR ; RONALD SNYDER SR ; JR LAWRENCE W ; JR CHARLES E ; JIANYONG SUN ; CHARLES WILK JR

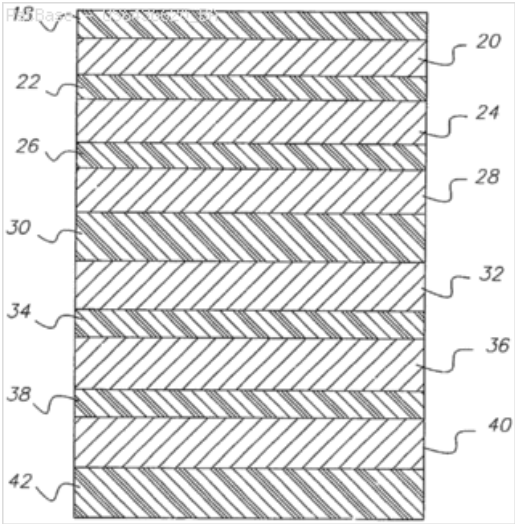
Agent(s): BERESKIN AND PARR LLP; BERESKIN AND PARR LLP SENCRL SRL; SYNNESTVEDT AND LECHNER LLP; CHIONCHIO JOHN A

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 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

Title: Color switchable photographic display image

Abstract: This invention relates to an imaging element comprising a translucent sheet, and at least three photosensitive dye forming **coupler** containing layers on the face side of said sheet, wherein said at least three photosensitive forming **coupler** containing layers comprise a cyan dye forming layer comprising a cyan dye forming **coupler** in combination with a red sensitized photosensitive emulsion, a yellow dye forming layer comprising a yellow dye forming **coupler** in combination with a blue light sensitive photosensitive emulsion, a magenta dye forming layer comprising a magenta dye forming **coupler** and a green light sensitive photosensitive emulsion, and on the back side of said translucent polymer sheet at least one dye forming **coupler** comprising magenta dye forming **coupler**, cyan dye forming **coupler**, or yellow dye forming **coupler** in combination with a light sensitive silver halide emulsion sensitive to a different wavelength of visible light than it was in combination with on the face side.

Classifications:
International (IPC 8-9): G03C7/30 (Advanced/Invention);
G03C7/30 (Core/Invention)
International (IPC 1-7): G03C1/46 G03C1/785
CPC: G03C7/3029
European: G03C7/30M
US: 430/359 430/383 430/503



Family:

Publication number	Publication date	Application number	Application date
US6436620 BA	20020820	US20010844007	20010427

Priority:
US20010844007 20010427

Probable Assignee: EASTMAN KODAK CO

Assignee(s): (std): EASTMAN KODAK CO

Assignee(s): EASTMAN KODAK COMPANY

Inventor(s): (std): CAMP ALPHONSE D ; BOURDELAIS ROBERT P ; AYLWARD PETER T

Title: AQUEOUS COMPOSITION COMPRISING A DIRECT EMULSION OF A SILICONE OIL WITH NO HYDROPHILIC GROUPS AND AN OIL COMPRISING AT LEAST ONE HYDROPHILIC GROUP AND USE OF SAID EMULSION

Abstract: The invention relates to an aqueous composition for rinsing, of a direct oil-in-water emulsion comprising: a polyorganosiloxane oil (1) with no hydrophilic groups with a dynamic viscosity of at least 5 Pa.s; an oil (2) which is immiscible with water and miscible or dispersible in the oil (1), optionally by means of an auxiliary compound (3), selected from: (i) at least one polyorganosiloxane oil with at least one hydrophilic group and/or (ii) at least one vegetable or animal oil or the derivatives thereof; at least one surfactant and/or an ionic or non-ionic amphiphilic co-polymer; the dynamic viscosity of the mixture of oil (1), oil (2) and optionally the auxiliary compound (3) is at least 5 Pa.s; said emulsion is prepared prior to introduction thereof into the composition, by emulsifying a mixture of oil (1), oil (2) and optionally the auxiliary compound (3). According to the invention, the above emulsion is used in cosmetic formulations for the treatment of keratin surfaces and in formulations for the treatment of textiles and in detergent formulations.

Classifications:

International (IPC 8-9): A61K8/06 A61K8/891 A61K8/892 A61K8/895 A61K8/896 A61K8/92 A61Q5/02 A61Q5/12 B01F17/00 C11D17/00 C11D3/37 C11D3/38 D06M11/44 D06M11/45 D06M11/46 D06M11/49 D06M11/56 D06M11/74 D06M11/76 D06M11/79 D06M13/144 D06M13/188 D06M13/203 D06M13/224 D06M15/643 D06M15/647 D06M15/657 D06M23/10 (Advanced/Invention);

A61K8/04 A61K8/72 A61K8/92 A61Q5/02 A61Q5/12 B01F17/00 C11D17/00 C11D3/37 C11D3/38 D06M11/00 D06M13/00 D06M15/37 D06M23/00 (Core/Invention)

International (IPC 1-7): A61K7/00 A61K7/06 A61K7/075 A61K7/16 A61K7/48 B01F17/00 B01F3/08 C08J3/03 C08L83/04 C09D5/02 C11D1/82 C11D3/00 C11D3/18 C11D3/37 D06M15/643

CPC: A61K8/06 A61K8/062 A61K8/891 A61K8/892 A61K8/922 A61K8/925 A61K2800/594 A61Q5/02 A61Q5/12 B01F17/0021 B01F17/0028 B01F17/0042 B01F17/005 B01F17/0057 B01F17/0064 B01F17/0085 C11D3/373 C11D3/3742 C11D3/38 C11D17/0017 D06M11/44 D06M11/45 D06M11/46 D06M11/49 D06M11/56 D06M11/74 D06M11/76 D06M11/79 D06M13/144 D06M13/188 D06M13/203 D06M13/224 D06M15/643 D06M15/6433 D06M15/6436 D06M15/647 D06M15/657 D06M23/10

European: A61K8/06 A61K8/06A A61K8/891 A61K8/892 A61K8/895 A61K8/896 A61K8/92C A61K8/92F A61Q5/02 A61Q5/12 B01F17/00E B01F17/00E2 B01F17/00K B01F17/00K2 B01F17/00M B01F17/00R B01F17/00Z C11D17/00B3 C11D3/37B12 C11D3/37B12F C11D3/38 D06M11/44 D06M11/45 D06M11/46 D06M11/49 D06M11/56 D06M11/74 D06M11/76 D06M11/79 D06M13/144 D06M13/188 D06M13/203 D06M13/224 D06M15/643 D06M15/643B D06M15/643D D06M15/647 D06M15/657 D06M23/10 K61K201/21 K61K800/594

Family:

Publication number	Publication date	Application number	Application date
AU2002324099 AA	20030108	AU20020324099	20020624
AU2002324100 AA	20030108	AU20020324100	20020624
FR2827190 A1	20030117	FR20010008480	20010622
FR2827191 A1	20030117	FR20020004932	20020419
WO03000206 A2	20030103	WO2002FR02182	20020624
WO03000206 A3	20031030	WO2002FR02182	20020624
WO03000207 A2	20030103	WO2002FR02186	20020624
WO03000207 A3	20030313	WO2002FR02186	20020624

Priority:

FR20010008480 20010622 FR20020004932 20020419 WO2002FR02182 20020624
WO2002FR02186 20020624

Probable Assignee: RHODIA CHIMIE SA

Assignee(s): (std): BAVOUZET BRUNO ; CHIRON STEPHANIE ; ESSAFI Wafa ; MERCIER JEAN MICHEL ; POULIN PHILIPPE ; RHONE POULENC CHIMIE ; RHODIA CHIMIE SA

Assignee(s): RHODIA CHIMIE

Inventor(s): (std): CHIRON STEPHANIE ; ESSAFI Wafa ; MERCIER JEAN MICHEL ; POULIN PHILIPPE ; SAFI OUFAA ; BAVOUZET BRUNO

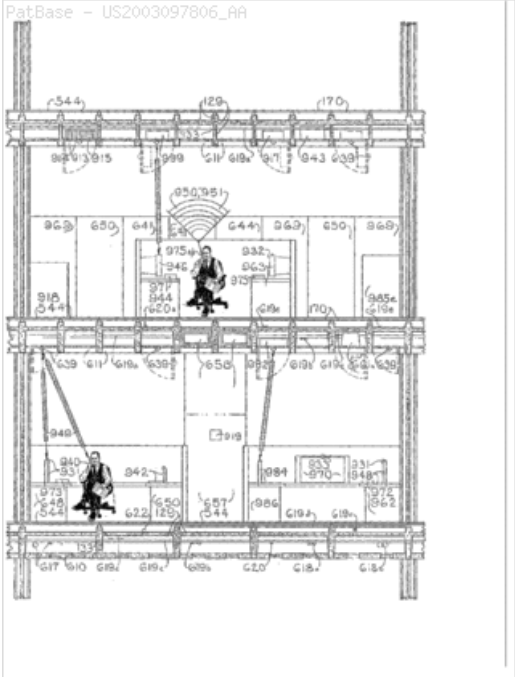
Inventor(s): BRUNO BAVOUZET ; STEPHANIE CHIRON ; Wafa ESSAFI ; PHILIPPE POULIN

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 LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU 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

Title: INNER ACCESSIBLE COMMUTERING ENTERPRISE STRUCTURE INTERFACED WITH ONE OR MORE WORKPLACE, VEHICLE OR HOME COMMUTERING STATIONS

Abstract: An inner accessible commuting enterprise structure is interfaced with one or more workplace, vehicle or home commuting centers, providing extended battery life for wireless devices with enhanced commuting capabilities for using the enhanced power of commuting devices within the inner accessible commuting enterprise structure. An enterprise interlaced integrated fiber, broadband fiber, electronic, and electrical power network comprising an enterprise communications and computing network of conductors, electronic, electrical and mechanical devices, components, appliances, and equipment is accommodated in the interstitial spaces of the ceilings, walls, partitions, columns, and floors of the wired and wireless inner accessible commuting enterprise structure.

Classifications:
International (IPC 8-9): E04B5/02 E04B5/06 E04B5/48 E04C2/52 E04F17/08 (Advanced/Invention); H04L12/28 (Advanced/Non-invention); E04B5/02 E04B5/04 E04B5/48 E04C2/52 E04F17/00 (Core/Invention); H04L12/28 (Core/Non-invention)
International (IPC 1-7): E04C2/52
CPC: H04W52/0209 E04F17/08 E04B5/026 E04B5/04 E04B5/043 E04B5/48 E04C2/521 H04W74/00 Y02D70/168 Y02D70/26
European: E04B5/02P E04B5/04 E04B5/04H E04B5/48 E04C2/52A E04F17/08 T04W52/02 T04W74/00
US: 52/220.1 52/220.100P 52/263 52/263S



Family:

Publication number	Publication date	Application number	Application date
US2003097806 AA	20030529	US20010951597	20010913

Priority:
US19960611377 19960305 US20010951597 20010913

Probable Assignee: CLEARPATH PARTNERS LLC

Assignee(s): BROWN JOHN G ; CLEARPATH PARTNERS LLC

Inventor(s): (std): BROWN JOHN G

Title: FOAM CORE IMAGING ELEMENT WITH GRADIENT DENSITY CORE

Abstract: The invention relates to a base comprising a closed cell foam core sheet having a closed cell foam layer with a density gradient between the center of the core and the surfaces of the core. The invention also relates to a method of making such a base by adding a first concentration of a first blowing agent to a first polymer to form a first mixture, adding a second concentration of a second blowing agent to a second polymer to form a second mixture, and extruding the mixtures to form the closed cell foam core sheet. The invention also relates to a method of making such a closed cell foam core sheet base comprising the steps of adding a blowing agent to a polymer to form a mixture, melting the mixture, extruding the mixture from a die, and rapidly quenching the mixture against a high heat transfer surface.

Classifications:

International (IPC 8-9): B29C44/22 B32B3/00 B32B3/26 B32B5/18 B32B9/00 B41B5/00 B41M5/41 G03C1/79 G03G7/00 (Advanced/Invention); B29C44/00 B32B3/00 B32B3/26 B32B5/18 B32B9/00 B41B5/00 B41M5/40 G03C1/775 G03G7/00 (Core/Invention)

International (IPC 1-7): B32B3/00 B32B3/26 B32B9/00

CPC: B29C44/22 B41M5/41 G03G7/008 Y10T428/24802 Y10T428/24996 Y10T428/249953 Y10T428/249956 Y10T428/249958 Y10T428/249961 Y10T428/249964 Y10T428/249976 Y10T428/249981 Y10T428/249987 Y10T428/249993 B32B5/32 B32B27/32 B32B27/36 B32B2266/08 B32B2307/518 B32B2307/722 B32B2307/75 B32B5/18 G03C1/79 B41M2205/32

European: B29C44/22 B32B5/18 B41M5/41 G03C1/79 G03G7/00F4B

US: 428/195.1 428/304.4 428/307.3 428/308.4 428/309.9 428/310.5 428/311.51 428/314.4 428/316.6 428/318.4 428/319.9 428/32.1 430/138

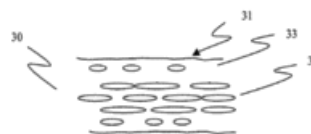
PatBase - US2005181196_AA

Patent Application Publication Aug. 18, 2005 Sheet 1 of 2 US 2005/0181196 A1

Fig. 1



Fig. 2



Family:

Publication number	Publication date	Application number	Application date
US2005181196 AA	20050818	US20040780263	20040217
US7585557 BB	20090908	US20040780263	20040217

Priority:

US20040780263 20040217

Probable Assignee: EASTMAN KODAK CO

Assignee(s): (std): EASTMAN KODAK CO

Assignee(s): EASTMAN KODAK COMPANY ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AS ; WILMINGTON TRUST NATIONAL ASSOCIATION AGENT AS ; PAKON INC ; BANK OF AMERICA NA AGENT AS ; BARCLAYS BANK PLC ADMINISTRATIVE AGENT AS ; CITICORP NORTH AMERICA INC AGENT AS

Inventor(s): (std): AYLWARD PETER T ; BENSON JOHN E ; BOMBA RICHARD D ; DONTULA NARASIMHARAO ; HEATH TERRY A

Inventor(s): AYLWARD PETER ; HEATH TERRY ; BOMBA RICHARD ; BENSON JOHN

Agent(s): PAUL A LEIPOLD PATENT LEGAL STAFF

Title: AIR STERILIZATION APPARATUS

Abstract: A portable sterilization apparatus that includes a face mask connected to a kill chamber having an ultraviolet source to destroy biological contaminants such as viruses, bacteria and fungi in air supplied to the mask, further includes a disposable particle filter in the kill chamber for filtering out particulates prior to irradiating the air with UV light, and in the case of a mercury vapor lamp UV source, a quartz sleeve surrounding the lamp. Valves are included in the face mask to limit carbon dioxide exhalation back into the kill chamber and to facilitate exhalation of air to the atmosphere.

Classifications:

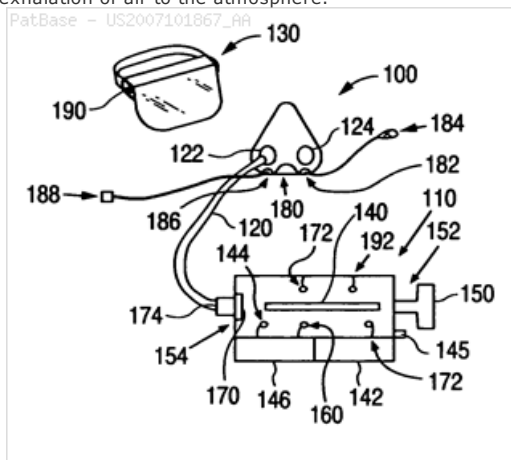
International (IPC 8-9): A61L9/00 A61L9/01 A61L9/20 A61M16/00 A61M16/10 A62B18/08 A62B19/00 A62B23/02 A62B7/10 A62B9/00 B01D46/00 B01D46/10 B01D46/42 B01D53/02 B01J19/12 C07C1/00 G05D7/00 (Advanced/Invention); A61L9/18 A61M16/00 A61M16/10 A62B18/00 A62B19/00 A62B23/00 A62B7/10 A62B9/00 B01D46/00 B01D53/02 G05D7/00 (Core/Invention)

International (IPC 1-7): B01D53/02

CPC: A61L9/205 B01D53/007 B01D2257/91 A62B11/00 A62B23/02 A61M16/0069 A61M16/1065 A61L9/16 A61L9/20 A61M16/06 A61M16/08 A61M16/105 A61M16/208 A61M16/22 A61M2016/0021 A61M2016/0036 A61M2205/125 A61M2205/587 A61M2205/8212 A61M2205/8237 A61M2209/06 A61M2205/0238 A61M16/202 A61M16/0051 A61M16/024 A61M16/107

European: A61L9/16 A61L9/20 A61L9/20P A61M16/00 A61M16/10F A62B11/00 A62B23/02 B01D53/00R K61M16/00A14B2 K61M16/00A8B2 K61M16/00M6P K61M16/06 K61M16/08 K61M16/10F2A K61M16/10F2B K61M16/20B K61M16/22 K61M205/12F K61M205/58L K61M205/82B2 K61M205/82D K61M209/06 L01D257/91

US: 128/204.18 128/205.29 128/206.12 204/157.15 204/157.150P 422/112 422/112S 422/121 422/121S 422/186.3 422/186.300S 422/4 422/4P 95/273 95/273S 96/224 96/224P

**Family:**

Publication number	Publication date	Application number	Application date
CA2664387 AA	20090319	CA20072664387	20070920
CN101365532 A	20090211	CN200680050550	20061107
CN101557865 A	20091014	CN200780042127	20070920
EP1902741 A2	20080326	EP20070018537	20070920
EP1902741 A3	20080625	EP20070018537	20070920
EP1945347 A2	20080723	EP20060839736	20061107
IN01081KN2009 A	20090522	IN2009KN01081	20090320
JP2009514654 T2	20090409	JP20080540318T	20061107
JP2010504170 T2	20100212	JP20090529383T	20070920
US2007101867 AA	20070510	US20050317045	20051223
US2007102280 AA	20070510	US20060434552	20060515
US2007163588 AA	20070719	US20060533529	20060920
US2009004047 AA	20090101	US20060093040	20061107
WO07056720 A2	20070518	WO2006US60597	20061107
WO07056720 A3	20071101	WO2006US60597	20061107
WO08036791 A2	20080327	WO2007US78977	20070920
WO08036791 A3	20080703	WO2007US78977	20070920

Priority:

US20050268936	20051108	US20050317045	20051223	US20060412231	20060426
US20060796368P	20060501	US20060434552	20060515	US20060533529	20060920
US20060093040	20061107	WO2006US60597	20061107	WO2007US78977	20070920

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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 TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW