

Search query (3): FT=(CUT~ OR CHOP~ OR DRAIN~ OR SEVER~ AND ACID~ AND FILTER~ AND SEPARATION~ AND BATTERY~ OR RECOVER~ AND LEAD~ AND MACHINE~ AND SAW~ AND PUMP~ AND METHOD~ AND TUNGSTEN~ AND CARBIDE~ OR RECYCLING~)

Results: 158

Search history

Search FT=(CUT+~ AND CHOP~ AND DRAIN~ AND SEVER~ AND ACID~ AND FILTER~ AND SEPARATION~ AND BATTERY~ AND RECOVER~ AND LEAD~
1: AND MACHINE~ AND SAW~ AND PUMP~ AND METHOD~ AND TUNGSTEN~ AND CARBIDE~ AND RECYCLING~) (Results 0)

Search FT=(CUT~ AND CHOP~ AND DRAIN~ AND SEVER~ AND ACID~ AND FILTER~ AND SEPARATION~ AND BATTERY~ AND RECOVER~ AND LEAD~
2: AND MACHINE~ AND SAW~ AND PUMP~ AND METHOD~ AND TUNGSTEN~ AND CARBIDE~ AND RECYCLING~) (Results 8)

Search FT=(CUT~ OR CHOP~ OR DRAIN~ OR SEVER~ AND ACID~ AND FILTER~ AND SEPARATION~ AND BATTERY~ OR RECOVER~ AND LEAD~ AND
3: MACHINE~ AND SAW~ AND PUMP~ AND METHOD~ AND TUNGSTEN~ AND CARBIDE~ OR RECYCLING~) (Results 158)

Title:

NOUVEAUX ARTICLES METALLIQUES A REVETEMENTS DURS RAPPORTES ET LEUR PROCEDE DE FABRICATION
NEW METAL COATINGS DRIVES ARTICLES REPORTED AND MANUFACTURING METHOD
(Machine translation)

Priority:

FR19620889927 19620305

Family:

Publication number	Publication date	Application number	Application date
FR1333742 A	19630802	FR19620889927	19620305

Probable Assignee:

DAWSON ARMORING CO

Assignee(s):(std):

DAWSON ARMORING CO ; DAWSON ARMORING COMPANY

International class (IPC 8-9):

C23C24/10 (Advanced/Invention);
C23C24/00 (Core/Invention)

International class (IPC 1-7):

B23D61/18 B24D3/06

CPC:

C23C24/103

European class:

C23C24/10B

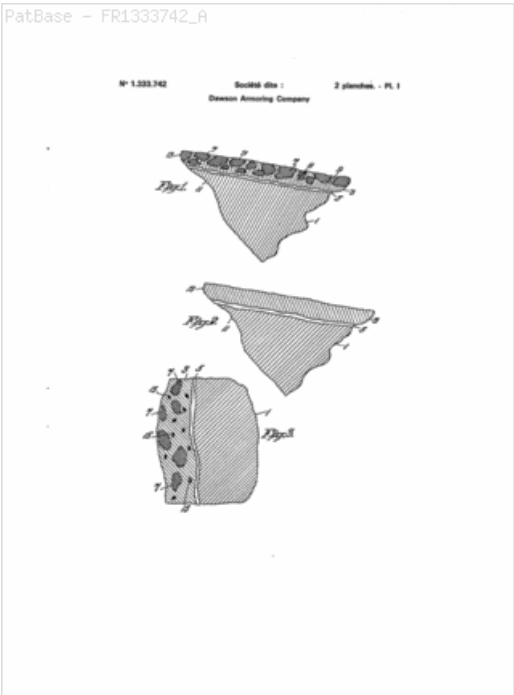
[Classification Explorer](#)

Abstract:

Source: FR1333742A (Claim 1) 1. Apres que la fusion soit realisee entre le ma teriau de revetement et la base metallique, on laisse refroidir l'article pour obtenir un lien ferme entre ladite matrice et ladite base metallique; m. Le liant liquide est d'abord applique sur la surface de l'aire a recouvrir, et on applique ensuite le materiau metallique, soit simultanement avec le borax, ou avant l'application du borax, sous forme d'un revetement sur le liant;

Machine translation:

(Claim 1) 1. After the merger is carried out between my terial of coating and base metal, allowed to cool the article to get a firm link between said die and said base metal; m. The liquid binder is first applied to the surface of the area to be covered, is then applied and the metallic material, either simultaneously with borax, or borax before application, in the form of a coating on the binder;



Title: COBALT-BONDED TUNGSTEN CARBIDE**Priority:** FR19650042632 19651216 US19640418808 19641216 US19690830532 19690604
US19670660986 19670816 US19690830247 19690604 US19650516825 19651124
US19690830545 19690604

Family:	Publication number	Publication date	Application number	Application date
	AT275168 B	19691010	AT19650011278	19651215
	AT282981 B	19700727	AT19680008023	19680816
	BE673788 A	19660401		19651215
	BE719542 A	19690203		19680816
	CH473228 A	19690531	CH19650017301	19651215
	CH522038 A	19720430	CH19680012280	19680815
	DE1483285 A1	19690320	DE19651483285	19651213
	DE1483285 B2	19730104	DE19651483285	19651213
	DE1483285 C3	19730726	DE1965P038332	19651213
	DE1758831 A1	19710415	DE19681758831	19680816
	FR1465761 A	19670113	FR19650042632	19651216
	FR1582645 A	19691003		19680816
	GB1134022 A	19681120	GB19650053518	19651216
	JP46029484 B4	19710827	JP19680057703	19680815
	LU50085 A	19660216	LU19650050085	19651216
	LU56719 A	19681121		19680814
	NL6516429 A	19660617	NL19650016429	19651216
	SE345289 B	19720523	SE19650016244	19651215
	SE367655 B	19740604	SE19680008556	19680625
	US3451791 A	19690624	US19670660986	19670816
	US3514818 A	19700602		19690604
	US3515540 A	19700602		19690604
	US3525610 A	19700825		19690604

Probable Assignee: DU PONT**Assignee(s):(std):** DU PONT ; E I DU PONT DE NEMOURS AND CO WILMINGTON DEL V S ; EI DU PONT DE NEMOURS AND CO US**Assignee(s):** E I DU PONT DE NEMOURS AND CO WILMINGTON DEL V ST A ; EI DU PONT DE NEMOURS AND CO ; EIDU PONT DE NEMOURS AND CO ; E I DU PONT DE NEMOURS AND CO WILMINGTON DEL V ST ; E I DU PONT DE NEMOURS AND COMPANY ; E I DU PONT DE NEMOURS AND CO ; E I DU PONT DE NEMOURS AND CO WILMINGTON DEL (V ST A)**Inventor(s):(std):** GEOFFREY WALSH MEADOWS ; MEADOWS G US ; MEADOWS GEOFFREY W ; MEADOWS GEOFFREY WALSH ; MEADOWS GEOFFREY WALSH KENNETT SQUARE PA ; WALSH MEADOWS GEOFFREY ; MEADOWS G**Inventor(s):** GEOFFREY W MEADOWS ; MEADOWS GEOFFREY WALSH KENNETT SQUARE PA VSTA ; MEADOWS GEOFFREY WALSH KENNETT SQUARE PA V ST A**International class (IPC 8-9):** C22C1/05 C22C29/06 C22C29/08 (Advanced/Invention); C22C1/05 C22C29/06 (Core/Invention)**International class (IPC 1-7):** B22F3/00 B22F3/12 C01B31/36 C22C1/04 C22C1/10 C22C19/02 C22C29/00**CPC:** B22F2998/00 Y10S75/95 Y10S428/932 Y10S75/956 C22C29/067 Y10T428/12167 Y10T428/12174 Y10T428/12465 Y10T428/268 Y10T24/1498 Y10T428/12014 Y10T428/12146 C22C1/051 B22F2999/00 C22C29/08**European class:** C22C1/05B C22C29/06M C22C29/08 L22F999/00**US class:** 24/16PB 264/332 29/182.8 419/17 419/18 419/23 419/25 419/33 419/58 419/59 423/440 428/338 428/546 428/565 428/568 428/569 428/611 428/932 501/87 75 75/229 75/240 75/252 75/356 75/359 75/950 75/956[Classification Explorer](#)**Cited documents:** US873745 A, US387745 A, US2731711 A, US2122403 A, US2116399 A, US2113171 A, US2011369 A, US1998609 A, US1951133 A, US1910884 A, US1338133 A, US1338132 A, US1057423 A, GB1041958 A,**Forward Citations:** WO9513894, WO8704425, WO8702711, WO15056231, WO12138702, WO11106678, WO11058167, US9499888, US9481178, US9433908, US9381759, US9340016, US9314847, US9186728, US8985247, US8955209, US8623108, US8592711, US8128867, US7887747, US7713327, US7641710, US7179319, US6908688, US6293986, US5844153, US5841045, US5787773, US5686119, US5651808, US5628837, US5609447, US5423899, US5421852, US5351588, US5288676, US5248328, US5089447, US5069872, US5024559, US4956012, US4872904, US4859543, US4708037, US4698266, US4579713, US4395279, US4070184, US3660050, US3647401, US3628921, US3595484, US2014345423, US2012213601, US2011209922, US2010260641, US2010192476, US2010077887, US2007267774, US2006272449, US2006272448, US2006225553, US2006099422, US2004187638, JP52151608, JP2013510783, GB2493640, GB2493640, EP1043413, EP0759480, EP0690758, DE4437053, DE4000223, DE19725914, AU2011220498,**Abstract:**

Source: US3451791A ABSTRACT OF THE DISCLOSURE Hard metal compositions of tungsten carbide bonded with from 1 to 30 percent by weight of cobalt useful as cutting tools or bits for cutting or shaping very hard materials and a process for preparing the bonded compositions by heating an intimately mixed cobalt/tungsten carbide powder to a temperature above 1000 degrees C. and consolidating the powder to a density in excess of percent of its theoretical density. CROSS-REFERENCE TO RELATED APPLICATIONS This application is a continuation-in-part of my copending application Ser. No. 582,924 filed Sept. 29, 1966, now abandoned, and my copending application Ser. No. 516,825 filed Nov. 24, 1965, now abandoned. My copending application Ser. No. 582,924 is a continuation-in-part of my copending application Ser. No. 516,825 and both of these are continuations-in-part of my application Ser. No. 418,808 filed Dec. 16, 1964 now abandoned. The entire disclosure of each of these applications is hereby expressly incorporated by reference into this application. B

June 24, 1969

G. W. MEADOWS
GRAFT-BODED FURSTEN GASTIN

3,451,791

Filed Aug. 26, 1967

Sheet 1 of 9

FIG. 1

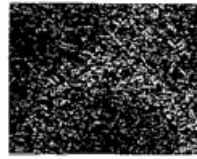
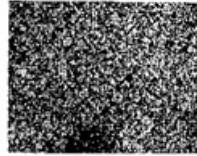


FIG. 2



INVENTOR
GUYTON W. MEADOWS

BY  ATTORNEY

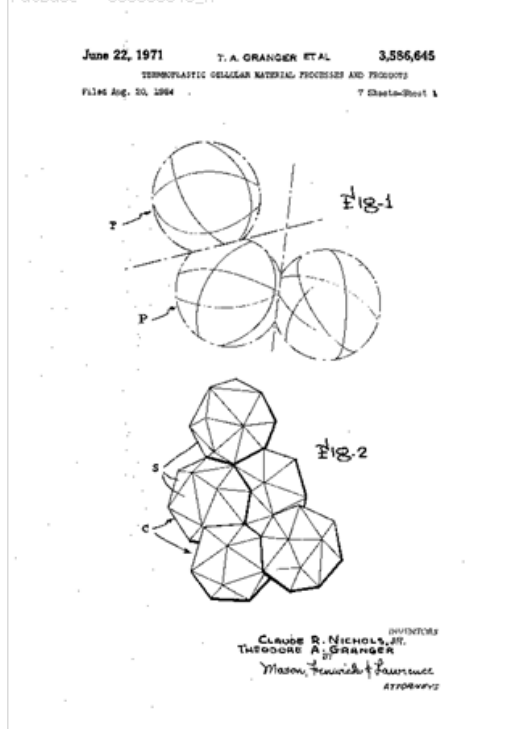
Title: THERMOPLASTIC CELLULAR MATERIAL PROCESSES AND PRODUCTS**Priority:** US19640390856 19640820**Family:**

Publication number	Publication date	Application number	Application date
DE1504271 A1	19691016	DE19651504271	19650819
DE1504271 B2	19750327	DE19651504271	19650819
DE1504271 C3	19751106	DE19651504271	19650819
FR1552777 A	19690110		19650820
GB1125465 A	19680828	GB19650035263	19650817
US3586645 A	19710622	US19640390856	19640820

Probable Assignee: SYNETIC RESEARCH ASSOCIATES I**Assignee(s):(std):** FOUNDATION ACCOUNTS INC ; SYNETIC RESEARCH ASSOCIATES I**Assignee(s):** SYNETIC RESEARCH ASSOCIATES INC ; FOUNDATION ACCOUNTS INC DURHAM N C V ST A**Inventor(s):(std):** A GRANGER THEODORE ; GRANGER THEODORE A ; NICHOLS CLAUDE R ; NICHOLS CLAUDE R JR ; R NICHOLS CLAUDE**Inventor(s):** THEODORE A GRANGER ; NICHOLS CLAUDE R DURHAM ; GRANGER THEODORE A HENDERSON ; CLAUDE R NICHOLS JR**International class (IPC 8-9):** C08J9/04 D04H13/00 (Advanced/Invention); C08J9/00 D04H13/00 (Core/Invention)**International class (IPC 1-7):** B29D27/00 B29D27/02 C08F47/00 C08G53/10 C08J9/04 C08L77/00 D04H13/00**CPC:** Y10S52/10 Y10S521/905 Y10S521/908 Y10S521/91 Y10S521/911 Y10S521/917 D04H13/00 C08J9/04**European class:** C08J9/04 D04H13/00**US class:** 260/2.5 260/25 264/51 264/53 52/DIG.10 521/134 521/139 521/140 521/143 521/144 521/145 521/175 521/184 521/53 521/55 521/56 521/76 521/78 521/84.1 521/85 521/88 521/89 521/905 521/908 521/91 521/910 521/911 521/917 521/92 521/93 521/95 521/96 521/98 525/146 525/232 525/239 525/240 604/370[Classification Explorer](#)**Forward Citations:** WO15105859, US9517361, US8388401, US7694463, US7130108, US7130108, US4410571, US4409164, US4318408, US4055695, US4044084, US4028452, US3981830, US3856719, US3846349, US3738359, US2015175495, US2014123991, US2011117315, US2009263615, US2008276545, US2006039181, US2004135278,**Abstract:**

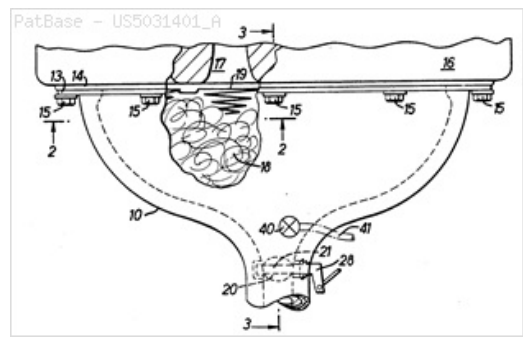
Source: GB1125465A 1,125,465. Tobacco smoke **filters**. FOUNDATION ACCOUNTS Inc. 17 Aug., 1965 [20 Aug., 1964], No. 35263/65. Heading A2C. [Also in Divisions A4, A5, B1, B5 and C3] Cigarette **filters** are produced from a cellular material comprising a polymer of thermoplastics material (see Division C3). The cellular materials may be prepared with sorbing agents or chelating agents dispersed therein, coating the interior surfaces of the cells. Thus activated charcoal, sodium hexametaphosphate or ethylenediaminetetraacetic **acid** may be incorporated to remove radioactive elements and noxious gases from tobacco smoke.

PatBase - US3586645_A



Title:	MEANS FOR TREATMENT OF THE EXHAUST GASES OF COMBUSTION																																			
Priority:	GB19710032228 19710708 US19760737099 19761029 US19820407823 19820813 US19850782190 19850930 US19830492151 19830506 US19930136729 19931014 US19880237761 19880829 US19950477704 19950607		GB19710032228 19720710 US19740473797 19740528 GB19720021149 19720505 US19850701669 19850215 US19950441117 19950515 US19920982424 19921127 US19860928659 19861105 US19950477703 19950607																																	
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td>DE2233907 A1</td><td>19730118</td><td>DE19722233907</td><td>19720710</td></tr><tr><td>FR2145340 A5</td><td>19730216</td><td>FR19720024805</td><td>19720707</td></tr><tr><td>GB1402714 A</td><td>19750813</td><td>GB19720021149</td><td>19720505</td></tr><tr><td>IT961314 A</td><td>19731210</td><td>IT19720051421</td><td>19720708</td></tr><tr><td>US5031401 A</td><td>19910716</td><td>US19870131231</td><td>19871207</td></tr><tr><td>US7117827 BA</td><td>20061010</td><td>US19950477704</td><td>19950607</td></tr><tr><td>US7438027 BA</td><td>20081021</td><td>US19950477703</td><td>19950607</td></tr></table>				Publication number	Publication date	Application number	Application date	DE2233907 A1	19730118	DE19722233907	19720710	FR2145340 A5	19730216	FR19720024805	19720707	GB1402714 A	19750813	GB19720021149	19720505	IT961314 A	19731210	IT19720051421	19720708	US5031401 A	19910716	US19870131231	19871207	US7117827 BA	20061010	US19950477704	19950607	US7438027 BA	20081021	US19950477703	19950607
Publication number	Publication date	Application number	Application date																																	
DE2233907 A1	19730118	DE19722233907	19720710																																	
FR2145340 A5	19730216	FR19720024805	19720707																																	
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US7438027 BA	20081021	US19950477703	19950607																																	
Probable Assignee:	HINDERKS M V																																			
Assignee(s):(std):	HINDERKS M V ; HINDERKS MITJA V ; MITJA V																																			
Assignee(s):	HINDERKS MITJA VICTOR LONDON ; HINDERKS MITJA																																			
Inventor(s):(std):	HINDERKS MITJA VICTOR ; HINDERKS MITJA V																																			
Inventor(s):	HINDERKS MITJA VICTOR LONDON																																			
Agent(s):	RICHARD																																			
International class (IPC 8-9):	F01N13/10 F01N3/022 F01N3/035 F01N3/20 F01N3/26 F01N3/28 F02B75/32 (Advanced/Invention); F01N13/10 F01N3/022 F01N3/035 F01N3/20 F01N3/26 F01N3/28 F02B75/32 (Core/Invention)																																			
International class (IPC 1-7):	F01N3/00 F01N3/10 F01N3/15 F01N3/28 F02B75/10																																			
CPC:	F02B75/00 Y10T74/18024 Y10T74/18312 F01L3/22 F01B7/18 F01B9/06 F01L1/026 F01L1/18 F01L1/185 F01L1/46 F01L2001/0535 F01L2101/02 F01L2810/02 F02B53/02 F02B75/002 F02B75/065 F02B75/32 Y02A50/2322 F01N13/102 F01N3/022 F01N3/035 F01N3/2006 F01N3/26 F01N3/2807 F01N3/2835 F01N3/2839 F01N3/285 F01N3/2882 F01N3/2892 F01N13/10 F01N2240/12 F01N2250/02 F01N2250/04 F01N2260/14 F01N2290/00 F01N2310/02 F01N2310/04 F01N2310/06 F01N2330/10 F01N2510/02 F01N2510/06 Y02T10/26																																			
European class:	F01L1/02C F01L1/18 F01L1/18D F01L1/46 F01L3/22 F01N13/10B F01N3/022 F01N3/035 F01N3/20B F01N3/26 F01N3/28B2 F01N3/28B8 F01N3/28C F01N3/28C8 F01N3/28D F01N3/28E F02B75/00 F02B75/00B F02B75/32 R01B7/18 R01B9/06 R01L1/053C R01L101/02 R01L810/02 R01N13/10 R01N240/12 R01N250/02 R01N250/04 R01N260/14 R01N290/00 R01N310/02 R01N310/04 R01N310/06 R01N330/10 R01N510/02 R01N510/06 R02B53/02 R02B75/06C																																			
US class:	123/197.1 123/198E 123/43.00R 123/43R 123/45R 60/282 60/302 60/323 74/22R 74/57																																			
Classification Explorer																																				
Cited documents:	US680465 A, US593248 A, US5562079 A, US4913100 A, US4796572 A, US4386587 A, US4341826 A, US3983696 A, US3918258 A, US3888081 A, US3757748 A, US3592516 A, US3577727 A, US3534828 A, US3503716 A, US3457573 A, US3340855 A, US3302394 A, US3276539 A, US3247666 A, US3195530 A, US3112810 A, US3043905 A, US2918045 A, US2394199 A, US2310269 A, US2218522 A, US1853892 A, US1801633 A, US1755578 A, US1620100 A, US1453815 A, US1293766 A, US1276346 A, US1239728 A, US1205895 A, JP63235648 A2, JP62082236 A2, GB1338712 A, GB1266504 A, DE3842802 A1, DE3607421 A1, DE132990 A,																																			
Forward Citations:	WO9707326, WO9520721, WO13101787, WO13101786, WO13101785, WO13101784, WO08065081, WO08065081, WO08034941, WO08034933, WO03014542, US9845723, US9845711, US9790836, US9771892, US9745869, US9702289, US9702272, US9638067, US9567952, US9546826, US9470115, US9405067, US9334760, US9243805, US9217338, US9169797, US9140209, US9097203, US9074556, US9052116, US9021808, US9004038, US8931454, US8921702, US8919328, US8899318, US8899192, US8893495, US8863530, US8837788, US8826662, US8800285, US8776517, US8770090, US8752378, US8720317, US8707914, US8683801, US8656895, US8635871, US8627663, US8613267, US8601992, US8544274, US8407998, US8371256, US8132338, US8066148, US8061321, US8015724, US7992322, US7845688, US7716850, US7644514, US7584738, US7578124, US7506668, US7412954, US7351381, US7350536, US7132087, US7132087, US6968678, US6725656, US6289676, US6247304, US6082113, US6062020, US5916132, US5771683, US5770785, US5692373, US5579645, US5477676, US5425236, US5383126, US5351483, US5331810, US5220789, US5163289, US4326378, US2016146099, US2015159604, US2014205425, US2013322706, US2011048012, US2011016863, US2010300385, US2010024405, US2010024404, US2010011759, US2009244802, US2009206098, US2009129939, US2009090612, US2007234990, US2007084300, US2006231274, US2006150944, US2006000204, US2004228776, US2004226291, US2004177609, US2003113241, RU2481479, GB2274076, GB2000046, GB2000046, EP2594763, EP2535258, EP1225315, EP0849445, EP0831219, EP0831219, EP0780550, EP0542002, EP0020766, DE3942380, DE3444167, CN104136715, CN102042132, CN102042132, CN101900027, CN101900027, AU694057, AT515887,																																			

Abstract:
Source: US5031401A The invention relates to a thermally, and optionally catalytically, operative exhaust gas treatment reactor of an engine, comprising filamentary material directly against and inside the heat insulating portion of a housing assembly which is placed on an engine over the exhaust ports, either directly or with a member interposed. Rapid warm up during cold start is achieved by restriction of gas flow, with the optional re-routing of exhaust gas, including routing to a reservoir which may be expandable. Other features include various embodiments of filamentary material, mechanism for accurately regulating exhaust gas recirculation and provision of extra air, the providing a secondary substance such as water/methanol or steam to induction charge to assist in the balancing of exhaust reactions. Treatment of exhaust gas is generally but not specifically to remove certain undesired pollutants from the exhaust gas of vehicles as required in many countries.



Title: INJECTEUR POUR MOTEUR A COMBUSTION INTERNE INTERNAL COMBUSTION ENGINE WITH INJECTOR
- HAVING JET DISPLACEABLE RELATIVE TO AND SIMULTANEOUSLY WITH INJECTOR

Priority: FR19750016705 19750528 FR19760024686 19760812 FR19760024687 19760812
FR19760024688 19760812 GB19750017428 19750426

Family:	Publication number	Publication date	Application number	Application date
	BE836095 A	19760316	BE19750162295	19751128
	DD124823 Z	19770316	DD19750189768	19751128
	DK538275 A	19761027	DK19750005382	19751128
	FR2309714 A1	19761126	FR19750016705	19750528
	FR2361538 A1	19780310	FR19760024686	19760812
	FR2361539 A1	19780310	FR19760024687	19760812
	FR2361540 A1	19780310	FR19760024688	19760812
	NL7513850 A	19761028	NL19750013850	19751127

Probable Assignee: HINDERKS M V
Assignee(s):(std): HINDERKS M V
Assignee(s): HINDERKS MITJA ; MITJA VICTOR HINDERKS TE LONDEN
Inventor(s):(std): HINDERKS M V

International class (IPC 8-9): F01L3/00 F01N13/10 F01N13/18 F01N3/24 F01N3/26 F01N5/00 F02B19/10 F02B41/04 F02B47/00 F02B69/02 F02B77/11 F02C1/05 F02F1/42 F02G5/02 F02M17/24 F02M19/08 F02M25/07 F02M25/14 F02M29/04 F02M31/18 F02M43/04 F02M57/06 F02M61/00 (Advanced/Invention); F02B75/02 (Advanced/Non-invention); F01L3/00 F01N13/10 F01N13/18 F01N3/24 F01N3/26 F01N5/00 F02B19/00 F02B41/00 F02B47/00 F02B69/00 F02B77/11 F02C1/00 F02F1/42 F02G5/00 F02M17/00 F02M19/00 F02M25/00 F02M25/07 F02M29/00 F02M31/02 F02M43/00 F02M57/00 F02M61/00 (Core/Invention); F02B75/02 (Core/Non-invention)

International class (IPC 1-7): F01N3/00 F01N3/10 F01N3/15 F02B75/10 F02P23/00

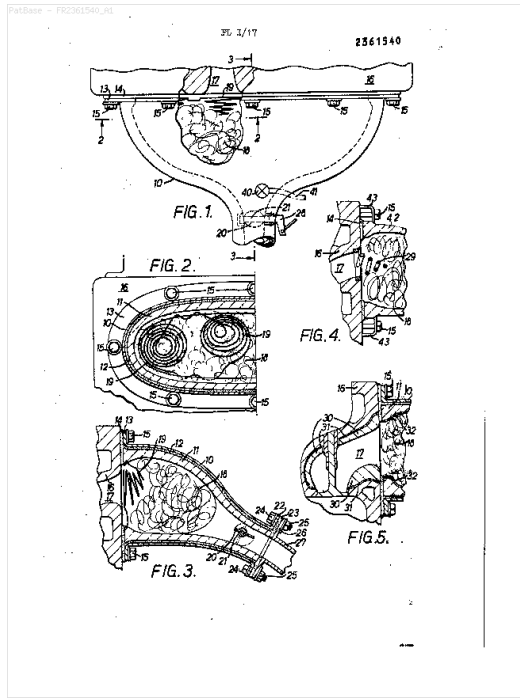
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European class: F01L3/00 F01N13/10 F01N13/18B F01N3/24 F01N3/26 F01N5/00 F02B19/10B2 F02B41/04 F02B47/00 F02B69/02 F02B77/11 F02C1/05 F02F1/42F6 F02G5/02 F02M17/24 F02M19/08B F02M19/08F F02M25/07P14 F02M25/07P2C F02M25/07P4V F02M25/07V2F4 F02M25/14 F02M29/04 F02M31/18 F02M43/04 F02M57/06 F02M61/00 R01N13/10 R02B275/48 R02B75/02S2 R02F1/10C R02F1/42F10 Y02T50/67B

[Classification Explorer](#)

Forward Citations: WO0182983, FR2851789, FR2738289, EP0718480,

Abstract:
Source: FR2361540A L'invention concerne un moteur a combustion interne comprenant un ensemble de reacteur de traitement des gaz d'echappement Ce reacteur comporte un volume de reaction approprie qui est partiellement occupe par une matiere filamenteuse. Le logement enfermant le volume de reaction comprend au moins une matiere d'isolation thermique disposee le plus vers l'interieur. La matiere filamenteuse peut etre constituee par une multiplicité de pastilles dont au moins une ayant un contour approximativement spherique et consistant en une serie de membre se projetant sensiblement a partir d'un noyau Ladite surface devant comporter au moins une depression sensible Le moteur comprend de plus un systeme de recirculation des gaz d'echappement qui communique avec un reservoir de gaz d'echappement. L'alimentation en carburant se fait par un ensemble d'injecteur, injectant dans le systeme d'admission du moteur, dont la buse est capable d'effectuer un mouvement rotatif sur son axe. L'invention comprend de plus un ensemble de cuve a niveau constant unique approprie pour etre monte en association avec le systeme d'admission et peut contenir des fluides differents. Combustion engine comprises a work chamber, means for treating the inlet and exhaust fluids, and an injector assembly which provides the engine with part of the charge and which has two or more **separate** fluid supply systems. Specifically, the engine comprises a jet which can be displaced relative to the injector assembly, this movement being at least partly simultaneous with injection of fluid. The jet movement is imparted at least partly by pressure or force associated with fluid injection, and may be rotational, reciprocating or telescopic. Ignition may be by an intermittent spark, or by an intermittent arc (plasma ignition). Operation allows purification of exhaust gases, and conservation of fuel and of the power generated.



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Family:	Publication number	Publication date	Application number	Application date
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Probable Assignee: AKRON PAINT AND VARNISH INC

Assignee(s):(std): ALLOY SURFACES CO INC ; ALLOY SURFACES SURFACES COMPAN ; BALDI ALFONSO L

Assignee(s): ALLOY SURFACES SURFACES COMPANY INC ; ALLOY SURFACES COMPANY INC ; ALLOY SURFACES CO INC WILMINGTON DE A DE CORP ; ALLOY SURFACES CO INC A CO ; ALLOY SURFACES CO INC A CORP OF DE ; ALLOY SURFACES CO INC WILMINGTON ; ALLOY SURFACES CO INC WILMINGTON DE A CORP OF DE ; ALLOY SURFACES SURFACES CO INC ; AKRON PAINT AND VARNISH INC

Inventor(s):(std): BALDI ALFONSO L

Agent(s): MACRAE AND CO

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

International class (IPC 8-9): B01J23/42 B01J23/89 B01J25/00 B01J25/02 B01J33/00 B01J35/06 B01J35/10 B05B7/22 B05D1/10 B05D3/02 B22F3/11 B22F7/00 B22F9/16 B65D43/02 C04B41/52 C06B21/00 C06B45/00 C06B45/14 C06B45/30 C06C15/00 C08F283/01 C08J3/09 C09D5/04 C23C10/02 C23C10/04 C23C10/06 C23C10/26 C23C10/30 C23C10/34 C23C10/38 C23C10/42 C23C10/48 C23C10/50 C23C10/56 C23C10/58 C23C10/60 C23C12/02 C23C22/74 C23C24/08 C23C26/00 C23C4/12 C23F1/44 D01F11/12 F01D5/28 F42B12/44 G01N21/47 H05H1/42 (Advanced/Invention); G01N15/00 G01N21/35 (Advanced/Non-invention); B01J25/00 B05B7/16 B05D1/08 B22F3/11 B22F7/00 B65D43/02 C06B21/00 C06B45/00 C06C15/00 C08F283/00 C08J3/02 C09D5/04 C23C10/00 C23C12/00 C23C22/73 C23C4/12 C23F1/44 F01D5/28 F42B12/02 G01N21/47 H05H1/26 (Core/Invention); G01N15/00 G01N21/31 (Core/Non-invention)

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European class:

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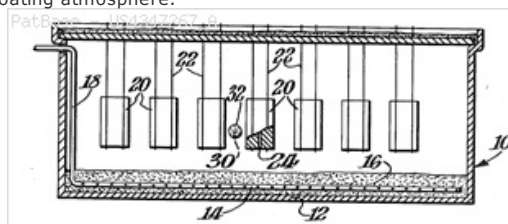
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Abstract:

Source: US4347267A Diffusion coating of internal surface of workpiece accessible only through very narrow passageway, is simply effected by coating that surface with uniform layer of particles of the metal to be diffused into it, and then holding the thus-prepared workpiece at diffusion-coating temperature in a diffusion-coating atmosphere.



Title: Method for making a dicyclopentadiene thermoset polymer

Priority:

CA19820418637	19821224	CA19830419034	19830106	CA19830425315	19830406
JP19830009448	19830125	JP19840242166	19841116	CA19830591832	19830106
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Family:

Publication number	Publication date	Application number	Application date
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Inventor(s):(std): DANIERU UIRUAMU KUROSHIITSUTSU ; DANIERU UIRIAMU KUROJIIITSUTS ; DAGURASU ROBAATO RIICHI ; SUTEIUN HARORUDO NAAMU ; SUTEIIBUN HARORUDO NAAMU ; STEVEN HAROLD NAHM ; NAHM STEVEN HAROLD ; NAHM STEVEN H ; LEACH DOUGLAS ROBERT ; LEACH DOUGLAS R ; DOUGLAS ROBERT LEATH ; DOUGLAS ROBERT LEACH ; DARIEL WILLIAN KLOSIEWICZ ; DANIERU UIRUAMU KUROSHIYUITSUTSU ; DANIERU UIRIAMU KUROJIIITSUTSU ; DANIEL WILLIAM KLOSIEWICZ ; DANIERU UIRUAMU KUROSHIYUITSU ; KLOSIEWICK DANIEL W ; KLOSIEWICZ DANIEL WILLIAM ; TOM GLENN MCPHERSON ; TOM GLENN M ; KLOSIEWICZ DANIEL W

Inventor(s): KLOSIEWICSZ DANIEL WILLIAM ; GUREN MATSUKUFUAASON TOMU

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

Designated states: BE DE FR GB IT NL SE

International class (IPC 8-9): B29C45/00 C07C37/20 C07C39/16 C07C39/17 C08F132/08 C08F2/00 C08F2/02 C08F2/04 C08F232/08 C08F32/00 C08F32/02 C08F32/06 C08F32/08 C08F36/04 C08F36/20 C08F4/00 C08F4/60 C08F4/62 C08G61/00 C08G61/06 C08G61/08 C08G63/64 C08J3/24 C08J9/04 C08J9/06 C08J9/12 C08J9/14 C08K3/00 C08K5/10 C08K7/00 C08L21/00 C08L45/00 C08L65/00 C08L69/00 C08L7/00 (Advanced/Invention); B29K86/00 B29L31/30 (Advanced/Non-invention); B29C45/00 C07C37/00 C07C39/00 C08F132/00 C08F2/00 C08F2/04 C08F32/00 C08F36/00 C08F4/00 C08G61/00 C08G63/00 C08J3/24 C08J9/00 C08K3/00 C08K5/00 C08K7/00 C08L21/00 C08L45/00 C08L65/00 C08L69/00 C08L7/00 (Core/Invention)

International class (IPC 1-7): B01J23/16 B29C45/00 B29F1/08 B29K86/00 B29L31/30 C07C7/12 C08F132/04 C08F132/08 C08F14/16 C08F16/10 C08F2/00 C08F2/02 C08F232/04 C08F232/06 C08F232/08 C08F32/00 C08F32/02 C08F32/06 C08F32/08 C08F36/04 C08F36/20 C08F4/14 C08F4/22 C08F4/42 C08F4/52 C08F4/62 C08F4/78 C08G18/14 C08G61/00 C08G61/06 C08G61/08 C08J3/24 C08J9/00 C08J9/04 C08J9/12 C08J9/14 C08K3/00 C08K5/10 C08K5/12 C08K5/56 C08K7/00 C08L45/00 C08L47/00 C08L65/00

CPC: C07C37/14 C08G63/64 C07C37/20 C08F32/08 C08L69/00 B01J27/132 C08J9/12 C08G61/08 C08J2345/00

European class: C07C37/20 C07C39/16 C07C39/17 C08F32/08 C08G61/08 C08G63/64 C08J9/12 C08L69/00 M08J345/00

US class: 252/182.18 252/429B 264/328.1 264/328.2 264/328.6 264/51 502/102 502/117 502/152 502/169 521/122 521/123 521/124 521/139 521/140 521/149 521/150 521/82 521/93 521/95 521/99 524/228 524/296 524/297 524/424 524/553 524/554 524/773 524/776 524/788 524/789 524/856 525/211 525/247 525/289 525/290 526/135 526/142 526/154 526/166 526/169 526/281 526/283 526/308 526/77 556/41 556/57 585/827

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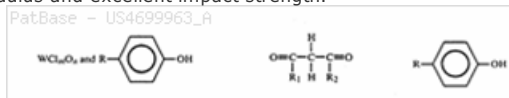
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Abstract:

Source: US4400340A A **method** of making a thermoset polydicyclopentadiene by first combining a plurality of reactant streams, one containing the activator of a metathesis-catalyst system, a second containing the catalyst of a metathesis-catalyst system and at least one containing dicyclopentadiene; then immediately injecting this combination into a mold where polymerization results in the formation of a tough, rigid thermoset polymer with high modulus and excellent impact strength.



Title:

Priority:

Family:

Catalyst composition for polymerization of cycloolefins

CA19850495524 19851118 US19840672423 19841116 US19860845482 19860327

Publication number	Publication date	Application number	Application date
AR240329 A1	19900330	AR19850302281	19851115
AU198550063 A1	19860522	AU19850050063	19851119
AU572708 B2	19880512	AU19850050063	19851119
BRPI8505782 A	19860812	BR1985PI05782	19851118
CA1256854 A1	19890704	CA19850495524	19851118
CN1006072 B	19891213	CN19851009123	19851116
CN85109123 A	19861001	CN19851009123	19851116
DE3568176 D1	19890316	DE19853568176	19851114
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ES548975 A0	19870701	ES19850548975	19851116
ES8706731 A1	19870701	ES19850548975	19851116
JP1811733 C3	19931227	JP19850255162	19851115
JP5020450 B4	19930319	JP19850255162	19851115
JP61126115 A2	19860613	JP19850255162	19851115
KR19860004085 A	19860618	KR19850008587	19851116
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US4696985 A	19870929	US19860845482	19860327

Probable Assignee:

Assignee(s):(std):

Assignee(s):

Inventor(s):(std):

Agent(s):

Designated states:

International class (IPC 8-9):

International class (IPC 1-7):

CPC:

European class:

US class:

Classification Explorer

Cited documents:

Forward Citations:

METTON AMERICA INC

HERCULES INC

MARTIN ANDREA E ; METTON AMERICA INC

ANDORIA ERIZABESU MAACHIN ; ANDREA ELIZABETH MARTIN ; MARTIN ANDREA E ; MARTIN ANDREA ELIZABETH

SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; FETHERSTONHAUGH AND CO

BE DE FR GB IT NL SE

C08F32/00 C08F32/08 C08F4/00 C08F4/06 C08F4/22 C08F4/60 C08F4/62 C08G61/00 C08G61/02 C08G61/06 C08G61/08 (Advanced/Invention); C08F32/00 C08F4/00 C08G61/00 (Advanced/Non-invention); C08F32/00 C08F4/00 C08G61/00 (Core/Invention)

C08F132/08 C08F2/02 C08F212/08 C08F220/06 C08F220/28 C08F32/0 C08F32/00 C08F32/00 C08F32/08 C08F4/06 C08F4/06 C08F4/22 C08F4/24 C08F4/32 C08F4/6 C08F4/62 C08F4/78 C08G61/08 C09K7/02

C08G61/08

C08G61/08

526/119 526/281 526/283

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Abstract:

Source: US4696985A The invention relates to a catalyst composition for polymerization of norbornene-type monomer: including WCI4O and WCI6 in a molar ratio of WCI4O to WCI6 from 1:9 to 1:1 (i.e., 10-50 percent WOCi4 and 90-50 percent WCI6). The method of making catalyst includes: providing catalyst precursor material, the major portion of which is WCI6, and contacting controlled proportions of the oxygen donor and WCI6 to form WCI4O in a molar ratio to WCI6 of between 1:9 and 1:1.

Title: Method of treating catabolic dysfunction

Priority:

CA19860517953	19860911	JP19900508838	19900604	US19870067645	19870626
US19880261649	19881024	US19860906530	19860912	US19850775214	19850912
US19910651107	19910204	US19890360389	19890602	US19900579172	19900904
US19900484432	19900216	US19920851282	19920304	US19930051941	19930426
US19920845819	19920309	US19890360839	19890602	WO1990US03095	19900604
US19940180780	19940110	US19960643937	19960507	US19950402827	19950313
US19960643939	19960507	US19930845819	19930309	WO1986US01870	19860912

Family:

Publication number	Publication date	Application number	Application date
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AT160089 E	19971115	AT19900306062T	19900604
AU198663378 A1	19870407	AU19860063378	19860912
AU199058271 A1	19910107	AU19900058271	19900604
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WO9014823 A1	19901213	WO1990US03095	19900604
ZA9004151 A	19910327	ZA19900004151	19900530

Probable Assignee: BRIGHAM AND WOMEN S HOSPITAL

Assignee(s):(std): BRIGHAM AND WOMENS HOSPITAL ; BRIGHAMS AND WOMEN S HOSPITAL ; ARMSTRONG MANUFACTURING COMPAN ; SMITH ROBERT J ; JAMES R PFALTZGRAFF

Assignee(s): THE BRIGHAM AND WOMEN S HOSPITAL INC ; RBS CITIZENS NA ; WILMORE DOUGLAS W ; GOLDMAN CHS SPECIALTY LENDING GROUP LP SA ; HOWARD HUGHES MEDICAL INST ; GOLDMAN SACHS SPECIALTY LENDING GROUP LP ; UIRUMOA DAGURASU DABURYU ; ARMSTRONG MANUFACTURING COMPANY ; ARMSTRONG MFG ; ARMSTRONG MFG CO 2135 NW 21ST AVENUE PORTLAND OREG ; ARMSTRONG MFG COMPAN ; BRIGHAM AND WOMAN S HOSPITAL ; BRIGHAM AND WOMEN S HOSPITAL ; BRIGHAM AND WOMEN S HOSPITAL INC ; BURIGAMU ANDO UIMENZU HOSUPITARU ; BRIGHAM AND WOMEN S HOSPITAL BOSTON MASS US ; BRIGHAM AND WOMEN"S HOSPITAL ; BRIGHAM AND WOMEN S HOSPITAL US ; BRIGHAM AND WOMEN S HOSPITAL BOSTON MASS

Inventor(s):(std): PFALTZGRAFF JAMES R ; WILMORE DOUGLAS W ; WILMORE DOUGLAS ; SMITH ROBERT J ; SMITH RERERT J ; ROBERT J SMITH ; DOUGLAS W WILMORE ; SMITH ROBERT ; JAMES R PFALTZGRAFF

Inventor(s): WILMORE DOUGLAS W BROOKLINE MA 02146 US ; SMITH ROBERT J BROOKLINE MA 02146 US ; SMITH ROBERT J US ; SMITH ROBERT J BROOKLINE MASSACHUSETTS 02146 US ; SUMISU ROBAATO JEI ; UIRUMOA DAGURASU DABURYU ; WILMORE DOUGLAS W US ; WILMORE DOUGLAS W BROOKLINE MASSACHUSETTS 02146 US

Agent(s): GRIFFITH HACK; PETER MAXWELL AND ASSOCIATES; GOWLING LAFLEUR HENDERSON LLP; SANFORD TCOLB AND CO

Designated states: AT AU BE CA CH DE DK ES FI FR GB GR HU IT JP KR LI LU NL NO SE

International class (IPC 8-9): A61K31/00 A61K31/195 A61K31/198 A61P1/00 A61P1/14 A61P1/18 A61P21/00 A61P3/00 A61P3/02 A61P3/08 A61P3/10 A61P31/04 A61P37/04 A61P43/00 B23D65/00 B23K31/02 (Advanced/Invention); A61P1/00 A61P3/00 A61P43/00 (Advanced/Non-invention); A61K31/00 A61K31/185 A61P21/00 B23D65/00 B23K31/02 (Core/Invention); A61M (Subclass/Invention)

International class (IPC 1-7): A61D1/00 A61K31/00 A61K31/16 A61K31/185 A61K31/19 A61K31/195 A61K31/198 A61M3/00 A61M37/00 A61M5/14 A61P1/00 A61P1/14 A61P1/18 A61P3/00 A61P3/02 A61P3/10 A61P31/04 A61P37/04 A61P43/00 B23D1/12 B23D65/00 C07C237/42

CPC: A61K31/195 B23D65/00 B23K31/025

European class: A61K31/195 B23D65/00 B23K31/02C

US class: 514/563 76/112 76/25.1 76/25R

[Classification Explorer](#)

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Forward Citations: WO9849906, WO9518608, WO9410988, WO9402139, WO9306839, WO9210175, WO9209277, WO9101135, WO8903688, WO16051994, WO15140345, WO02100189, WO0158446, WO0119578, WO0102130, WO0000189, USRE39485, USRE35233, US9845489, US9725703, US9603847, US9376709, US9078426, US8900856, US8662834, US8657570, US8519125, US8377876, US8168669, US8168241, US7709529, US7323206, US7198785, US7041651, US6742403, US6576611, US6479068, US6475514, US6311590, US6306442, US6286406, US6271202, US6262027, US6245803, US6228839, US6197351, US6187346, US6165492, US6046167, US6039952, US6007808, US6001878, US6000312, US5965175, US5958898, US5922766, US5922345, US5891457, US5876780, US5834473, US5809848, US5773052, US5763485, US5684045, US5650059, US5646182, US5607975, US5545668, US5488884, US5462924, US5438075, US5397803, US5366723, US5310768, US5299472, US5292722, US5288703, US5276018, US5039704, US5032675, US2012241053, US2010329875, US2010329863, US2010076044, US2009203626, US2009043282, US2008307117, US2008264231, US2008176209, US2008108684, US2008065088, US2007166285, US2006121091, US2006099567, US2006060030, US2005123529, US2005090451, US2004176319, US2004170709, US2004081708, US2004060396, US2003162723, US2003115971, US2003114358, US2003099722, NL2012493, JP5580050, JP5069836, JP2014132017, JP2012211139, JP2010513250, JP2007508343, GB2378134, GB2378134, GB2248205, GB2248205, FR2678189, EP3173079, EP2802222, EP2218534, EP1362587, EP1125583, EP1091734, EP0910253, EP0875155, EP0738146, EP0666739, EP0665012, EP0621073, EP0607278, EP0540462, EP0401056, DE19930360, DE19930360,

Abstract:
Source: US4857555A The invention relates to a **method** of treating a catabolic dysfunction in an animal, which comprises administering to an animl a therapeutically effective amount of glutamine or an analog thereof.

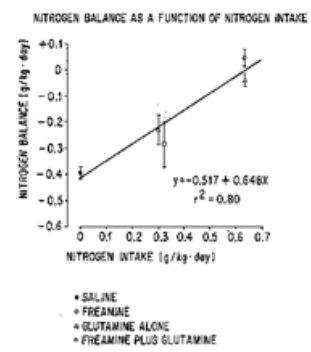


FIG. 1

Title: COMPOSITE MATERIALS AND METHODS FOR MAKING THE SAME

Priority: CA19880569288 19880613 DE19883822578 19880704 US19870061854 19870612
 US19940318625 19940930 US19950485574 19950607 US19940276386 19940718
 US19930003202 19930111 US19920862397 19920402 US19950472613 19950607
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 US19970958685 19971027

Family:	Publication number	Publication date	Application number	Application date
	AU199345960 A1	19931108	AU19930045960	19930401
	AU199920849 A1	19990517	AU19990020849	19981026
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	EP0633868 B1	19960522	EP19930916388	19930401
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	JP7505357 T2	19950615	JP19930517666T	19930401
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	US5585165 A	19961217	US19940318625	19940930
	US5682594 A	19971028	US19950472613	19950607
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	WO9921805 A3	19990708	WO1998US22566	19981026

Probable Assignee: POWER SYSTEMS COMPOSITES LLC

Assignee(s):(std): GARNIER JOHN EDWARD ; KENNEDY CHRISTOPHER ROBIN ; FAREED ALI SYED ; PONT LANXIDE COMPOSITES INC DU ; LANXIDE CORP ; LANXIDE TECHNOLOGY CO LTD ; LANXIDE TECHNOLOGICAL CO ; ALLIEDSIGNAL COMPOSITES INC ; DUPONT LANXIDE COMPOSITES INC ; LANXIDE TECHNOLOGY CO LP ; SONUPARLAK BIROL ; SCHIROKY GERHARD HANS

Assignee(s): LANXIDE TECHNOLOGY CO LP NEWARK ; LANXIDE TECHNOLOGY CO LP NEWARK DEL ; SCHIROKY GERHARD H ; LANXIDE TECHNOLOGICAL CO LP ; POWER SYSTEMS COMPOSITES LLC A DELAWARE LTD ; POWER SYSTEMS COMPOSITES LLC A DELAWARE LIABILITY ; LANXIDE TECHNOLOGY CO LP NEWARK DEL US ; POWER SYSTEMS COMPOSITES LLC A DELAWARE LIABILITY CO LTD ; ENERGY US DEPARTMENT OF ; HONEYWELL ADVANCED COMPOSITES INC ; DU PONT LANXIDE COMPOSITES INC ; POWER SYSTEMS COMPOSITES LLC 300 GARLINGTON ; LANXIDE TECHNOLOGY CO LP TRALEE INDUSTRIAL PARK NE ; LANXIDE TECHNOLOGY CO ; POWER SYSTEMS COMPOSITES LLC ; LANXIDE TECHNOLOGY CO L P ; LANXIDE TECHNOL CO LP ; KENNEDY CHRISTOPHER R ; GARNIER JOHN E ; FAREED ALI S

Inventor(s):(std): ALI SYED FAREED ; BIROL SONUPARLAK ; CHRISTOPHER R KENNEDY ; CHRISTOPHER ROBIN KENNEDY ; FAREED ALI ; FAREED ALI S ; FAREED ALI SYED ; GERHARD HANS SCHIROKY ; IRICK JR VIRGIL ; JOHN EDWARD GARNIER ; KENNEDY C R ; KENNEDY CHRISTOPHER ; KENNEDY CHRISTOPHER R ; KENNEDY CHRISTOPHER ROBIN ; KENNEDY ROBIN ; KURISUTOFUAA AARU KENEDEI ; LANDINI DENNIS

JAMES ; NICHT ERKANNT ; SCHIROKY GERHARD ; SCHIROKY GERHARD H ; SCHIROKY GERHARD HANS ; FAREED SYED ; GARNIER EDWARD ; GARNIER JOHN ; GARNIER JOHN E ; GARNIER JOHN EDWARD ; SCHIROKY HANS ; SONUPARLAK BIROL

Inventor(s): SONUPARLAK BIROL NEWARK DE 19702 US ; GARNIER JOHN EDWARD NEWARK DE 19702 US ; SCHIROKY GERHARD HANS HOCKESSIN DE 19707 US ; KENNEDY CHRISTOPHER ROBIN NEWARK DE 19711 US ; FAREED ALI SYED WILMINGTON DE 19808 US ; C R KENNEDY

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; ROGERS LAW OFFICE; RIDOUT AND MAYBEE LLP; GOWLING LAFLEUR HENDERSON LLP

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

International class (IPC 8-9): B01J2/00 C04B35/00 C04B35/58 C04B35/581 C04B35/622 C04B35/628 C04B35/65 C04B35/71 C04B35/78 C04B35/80 C04B35/84 C04B41/52 C04B41/87 C09K3/14 (Advanced/Invention); B01J2/00 C04B35/581 C04B35/622 C04B35/65 C04B35/71 C04B35/78 (Advanced/Non-invention); B01J2/00 C04B35/626 C04B35/65 C04B35/78 C04B35/80 C09K3/14 (Core/Invention)

International class (IPC 1-7): B01J2/00 B05D1/36 B05D5/00 B22F3/00 B22F5/00 B32B5/16 B32B7/00 B32B9/04 C03C13/00 C03C3/00 C04B14/00 C04B35/00 C04B35/02 C04B35/03 C04B35/10 C04B35/14 C04B35/18 C04B35/48 C04B35/52 C04B35/56 C04B35/58 C04B35/581 C04B35/60 C04B35/622 C04B35/65 C04B35/66 C04B35/71 C04B35/78 C04B35/80 C04B35/81 C04B35/84 C04B41/81 C04B41/85 C04B41/87 C04B41/89 C09K3/00 C09K3/14 C22C1/09 C22C29/00 C23C16/00 C23C16/08 C23C16/22 D06M11/45 D06M11/77 D06M11/80

CPC: Y10T428/12056 Y10T428/12035 Y10T428/12458 Y10T428/15 Y10T428/2991 C04B35/6286 Y10T428/197 C04B35/653 C04B41/009 C04B41/52 C04B2235/3454 C04B2235/6562 C04B2235/6567 C04B2235/6586 C04B2235/662 C04B2237/586 B32B18/00 C04B35/117 C04B35/20 C04B35/581 C04B35/62675 C04B35/6268 C04B35/62834 C04B35/62836 C04B35/62844 C04B35/62852 C04B35/62855 C04B35/62863 C04B35/62865 C04B35/62868 C04B35/62871 C04B35/62873 C04B35/62884 C04B35/62894 C04B35/62897 C04B35/6303 C04B35/652 C04B35/80 C04B35/803 C04B35/806 C04B2235/3218 C04B2235/3279 C04B2235/3418 C04B2235/3826 C04B2235/386 C04B2235/3865 C04B2235/3886 C04B2235/40 C04B2235/401 C04B2235/402 C04B2235/404 C04B2235/405 C04B2235/407 C04B2235/428 C04B2235/46 C04B2235/524 C04B2235/5244 C04B2235/5248 C04B2235/5252 C04B2235/5256 C04B2235/526 C04B2235/5264 C04B2235/5268 C04B2235/5436 C04B2235/6028 C04B2235/614 C04B2235/6585 C04B2235/6587 C04B2235/80 C04B2235/96 C04B2235/9684 C04B2237/343 C04B2237/365 C04B2237/366 C04B2237/38 Y10T428/24942 Y10T428/252 Y10T428/265 Y10T428/266 Y10T428/2907 Y10T428/2915 Y10T428/2916 Y10T428/292 Y10T428/2933 Y10T428/2938 Y10T428/2949 Y10T428/298 Y10T428/2993 Y10T442/3659

European class: B32B18/00 C04B35/117 C04B35/20 C04B35/581 C04B35/626A16T C04B35/626A16V C04B35/628B8D18 C04B35/628B8F C04B35/628F C04B35/628F2D C04B35/628F2H C04B35/628F8D C04B35/628F8D18 C04B35/628F8F C04B35/628F8F18 C04B35/628F8F6 C04B35/628F8R C04B35/628K C04B35/628P C04B35/628T C04B35/63B C04B35/653 C04B35/65L C04B35/80 C04B35/80B C04B35/80D C04B41/00V C04B41/52 C09K3/14B4 M04B235/32F2 M04B235/32K6 M04B235/34D M04B235/34F6D M04B235/38D18 M04B235/38F16 M04B235/38F28 M04B235/38F6 M04B235/40 M04B235/40D M04B235/40E M04B235/40H M04B235/40K M04B235/40L M04B235/42D M04B235/46 M04B235/52D10 M04B235/52D12 M04B235/52D4F M04B235/52D4F2 M04B235/52D4F4 M04B235/52D6 M04B235/52D6B M04B235/52D8 M04B235/54D4 M04B235/602R M04B235/614 M04B235/656B M04B235/656K M04B235/658M8 M04B235/658P M04B235/658R M04B235/660B4 M04B235/80 M04B235/96 M04B235/96M4 M04B237/34F M04B237/36D M04B237/36N M04B237/38 M04B237/58D

US class: 252/387.41 252/389.31 252/389.41 252/400.31 252/400.41 427/198 427/214 427/215 427/255.39 427/255.390P 427/419.1 428/212 428/240 428/245 428/257 428/288 428/297 428/302 428/325 428/336 428/337 428/361 428/365 428/366 428/368 428/375 428/378 428/384 428/401 428/403 428/404 428/43 428/446 428/549 428/552 428/61 428/610 428/698 428/699 428/701 428/702 428/704 442/262 501/35 501/89 501/90 501/92 501/95 501/95.1 501/96.4 501/97.1 501/98.4

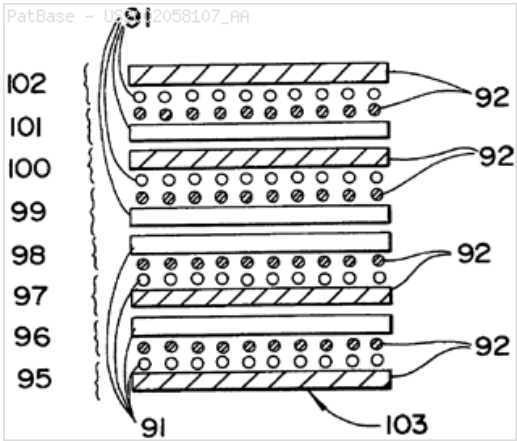
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Forward Citations: WO9833013, WO9712844, WO9320018, WO9320018, WO14159557, WO14159556, WO14159556, WO14159533, WO14049221, WO12118516, WO12048071, WO09134448, WO08098838, WO08070632, WO07019821, WO06137929, WO0048429, WO0048429, US9840432, US9822445, US9803296, US9708226, US9701591, US9676674, US9611180, US9533918, US9470603, US9446989, US9399081, US9341521, US9328028, US9275762, US9272913, US9257562, US9199227, US8986845, US8981379, US8981255, US8981232, US8940391, US8932971, US8932970, US8802324, US8732998, US8646706, US8609206, US8551607, US8545938, US8524317, US8455137, US8377512, US8242002, US8231963, US8119539, US8034724, US8017508, US7867554, US7863084, US7838079, US7824783, US7811911, US7776723, US7755185, US7745022, US7736751, US7649141, US7572741, US7569284, US7510742, US7462376, US7427428, US7381445, US7377418, US7223465, US7021147, US7018480, US6874543, US6855428, US6839639, US6770176, US6743393, US6630029, US6610227, US6428890, US6376074, US6368993, US6350713, US6326685, US6309702, US6228453, US6056907, US5989013, US5682594, US5654246, US5601874, US5589714, US5585165, US5580643, US5580517, US5529851, US5506061, US5484655, US5420085, US5389450, US5330849, US2016265143, US2016159701, US2015308922, US2015274979, US2015152547, US2013224471, US2013032649, US2012124875, US2012082832, US2011206937, US2011051778, US2011039119, US2011020538, US2011017056, US2011011254, US2010285394, US2010212283, US2010166956, US2010152018, US2010120605, US2010119807, US2010112231, US2010021713, US2009291323, US2009239434, US2009178618, US2009088038, US2009023009, US2009004883, US2008286589, US2008248309, US2008241475, US2008220310, US2008207075, US2008121548, US2008108206, US2008079021, US2008020555, US2007117484, US2007099527, US2007054103, US2006286817, US2006278162, US2006175613, US2006147692, US2006141257, US2006105183, US2006019103, US2005233127, US2005186878, US2005145681, US2004219434, US2004173158, US2004049356, US2003154582, RU2521170, RU2510386, KR101229035, FR2995892, FR2877016, EP2960221, EP2774754, EP2436835, EP1762551, EP0954720, DE102009048424, DE102005039442,

Abstract:
Source: US2002058107A The present invention generally relates to mechanisms for preventing undesirable oxidation (i.e., oxidation protection mechanisms) in composite bodies. The oxidation protection mechanisms include getterer materials which are added to the composite body which gather or scavenge undesirable oxidants which may enter the composite body. The getterer

materials may be placed into at least a portion of the composite body such that any undesirable oxidant approaching, for example, a fiber reinforcement, would be scavenged by (e.g., reacted with) the getterer. The getterer material(s) may form at least one compound which acts as a passivation layer, and/or is able to move by bulk transport (e.g., by viscous flow as a glassy material) to a crack, and sealing the crack, thereby further enhancing the oxidation protection of the composite body. One or more ceramic filler materials which serve as reinforcements may have a plurality of super-imposed coatings thereon, at least one of which coatings may function as or contain an oxidation protection mechanism. Specifically, a coating comprising boron nitride which has been engineered or modified to contain some silicon exhibits improved corrosion resistance, specifically to oxygen and moisture. The coated materials may be useful as reinforcing materials in high performance composites to provide improved mechanical properties such as fracture toughness. The present invention also relates to improved composites which incorporate these materials, and to their **methods** of manufacture.



Title:	RIGID-ROD POLYMERS					
Priority:	CA19892001716	19891027	EP19930907055	19930224	US19890000397	19890823
	JP19890503288	19890131	JP19900512499	19900810	US19880157451	19880217
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Family:	Publication number	Publication date	Application number	Application date
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	AT312127 E	20051215	AT19900913070T	19900810
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	CA2001716 C	19980203	CA19892001716	19891027
	CA2130004 AA	19940811	CA19932130004	19930224
	CA2130004 C	20070424	CA19932130004	19930224
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	DE69332949 T2	20031127	DE19936032949T	19930224
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	WO9318076 A1	19930916	WO1993US01732	19930224
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Probable Assignee:	MISSISSIPPI POLYMER TECHNOLOGIES INC
Assignee(s):(std):	MISSISSIPPI POLYMER TECHNOLOGI ; MAXDEM INC
Assignee(s):	MAXDEM INC PASADENA CALIF US ; MISSISSIPPI POLYMER TECHNOLOGIES INC ; WANG YING ; TRIMMER MARK S ; GAGNE ROBERT R ; GRYPHON VENTURES I LTD ; GRYPHON VENTURES I PARTNERSHIP LTD ; HITACHI CHEMICAL CO LTD ; MARROCCO MATTHEW L III
Inventor(s):(std):	MARROCCO III MATTHEW L ; MARROCCO III MATTHEW LOUIS ; MARROCCO L ; MARROCCO MATTHEW L ; MARROCCO MATTHEW L III ; MARROCCO MATTHEW LOUIS III ; TRIMMER MARK STEVEN ; WANG YING ; YANG YING ; TRIMMER STEVEN ; TRIMMER MARK S ; MARROCCO LOUIS ; GAGN RAYMOND ; GAGN ROBERT RAYMOND ; GAGNE R ; GAGNE ROBERT R ; GAGNE ROBERT RAYMOND ; CAGNE ROBERT R
Inventor(s):	GAGN AND E ACU E AND EE ROBERT R ; GIYAGUNI ROBAATO AARU ; MAROTSUKO MASHIYUU ERU ZA SAADO
Agent(s):	OYEN WIGGS GREEN AND MUTALA LLP; FETHERSTONHAUGH AND CO; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER ANWALTSSOZIETAET
Designated states:	AT BE CA CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE

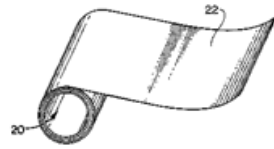
International class (IPC 8-9):	B29C55/00 C08F246/00 C08F8/00 C08G2/00 C08G61/00 C08G61/02 C08G61/10 C08G61/12 C08G67/00 C08G69/00 C08G69/02 C08G69/26 C08G73/06 C08G73/10 C08G73/22 C08G75/00 C08G75/02 C08G75/06 C08G75/32 C08G81/02 C08G83/00 C08J5/18 C08L101/00 C08L23/02 C08L23/10 C08L65/00 C08L67/02 C08L69/00 C08L71/12 C09D165/00 D01F6/02 D04H3/16 (Advanced/Invention); C08L23/10 C08L25/06 C08L27/04 C08L65/02 C08L71/00 H05K1/00 (Advanced/Non-invention); C08F246/00 C08F8/00 C08G61/00 C08G69/00 C08G73/00 C08G75/00 C08G81/00 C08G83/00 C08L101/00 C08L23/00 C08L65/00 C08L67/00 C08L69/00 C08L71/00 (Core/Invention); C08L25/00 C08L27/00 H05K1/00 (Core/Non-invention)
International class (IPC 1-7):	B27J5/00 B28B3/20 B29C47/00 B29C55/00 B29K86/00 C08F246/00 C08F8/18 C08G14/00 C08G14/02 C08G2/00 C08G2/00 C08G61/00 C08G61/00 C08G61/02 C08G61/10 C08G61/12 C08G69/02 C08G69/26 C08G73/06 C08G73/10 C08G73/22 C08G75/02 C08G75/32 C08G8/00 C08G8/02 C08G8/04 C08G8/26 C08G83/00 C08J5/18 C08L101/00 C08L65/00 C08L65/02 C08L77/00 C09D165/00 D01F6/02 D04H1/54 D04H3/16
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Abstract:
Source: US5227457A High-performance polymers having a rigid-rod backbone comprising a chain length of at least 25 organic monomer units joined together by covalent bonds wherein at least about 95 percent of the bonds are substantially parallel; and solubilizing organic groups attached to at least 1 percent of the monomer units. The polymers are prepared in a solvent system which is a solvent for both the monomer starting materials and the rigid-rod polymer product.

Fig. 1*Fig. 2*

Title:	PRESSURE ENERGY CONVERSION SYSTEMS																																																																																				
Priority:	EP19940920655 19940410 US19890364309 19890612 WO1994US03906 19940410 US20020236820 20020907 US20110021658 20110204	EP19940920655 19951019 US19920990071 19921214 US19970785376 19970121 US20000716664 20001120 US20120657721 20121022	EP20050027548 19940410 US19910755323 19910905 US19940268680 19940630 US19980128673 19980803																																																																																		
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Probable Assignee:	ADVANCED GREEN INNOVATIONS LLC																																																																																				
Assignee(s):(std):	MCALISTER ROY E ; MCALISTER ROY EDWARD ; MCALISTER TECHNOLOGIES LLC																																																																																				
Assignee(s):	ROY E MCALISTER ; ADVANCED GREEN INNOVATIONS LLC ; ADVANCED GREEN TECHNOLOGIES LLC ; EMERGENT CORP ; HENNARA INVESTMENTS LTD																																																																																				
Inventor(s):(std):	MCALISTER ROY E ; MCALISTER ROY EDWARD																																																																																				
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Agent(s):	BOEHMERT AND BOEHMERT; HALL MATTHEW BENJAMIN ET AL; BEATTIE ALEX THOMAS STEWART; ARIAS JUAN; SUSAN D; LOEB AND LOEB LLP																																																																																				
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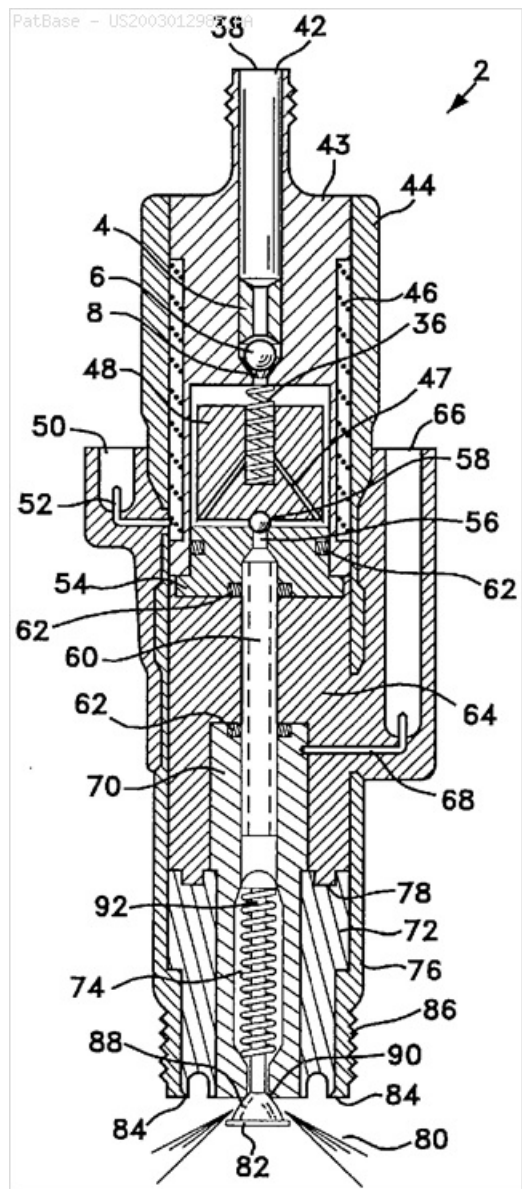
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Abstract:

Source: US2003012985A A process for performing energy conversion that converts pressure energy to produce expansive work in one or more devices selected from the group including a reversible fuel cell, expansion motor, and heat releasing combustor.



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

Publication number	Publication date	Application number	Application date
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Probable Assignee: SMART DRILLING AND COMPLETION INC

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

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

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

International class (IPC 8-9): B22D13/00 B64C1/26 B64F5/00 B64F5/60 E21B10/64 E21B17/00 E21B17/20 E21B21/10 E21B23/00 E21B27/00 E21B29/12 E21B33/00 E21B33/03 E21B33/124 E21B33/126 E21B33/14 E21B33/16 E21B36/00 E21B36/04 E21B4/04 E21B4/18 E21B43/00 E21B43/10 E21B43/22 E21B43/24 E21B44/06 E21B47/00 E21B47/12 E21B7/00 E21B7/04 E21B7/06 E21B7/20 E31B29/12 G01L1/00 G01M11/08 G01N15/08 G01N3/08 G01R31/00 (Advanced/Invention); B64C1/00 E21B23/00 (Advanced/Non-invention); B22D13/00 E21B10/00 E21B17/00 E21B21/00 E21B23/00 E21B29/00 E21B33/00 E21B33/03 E21B33/12 E21B33/13 E21B36/00 E21B4/00 E21B43/02 E21B43/16 E21B7/00 E21B7/04 E21B7/20 (Core/Invention); E21B23/00 (Core/Non-invention)

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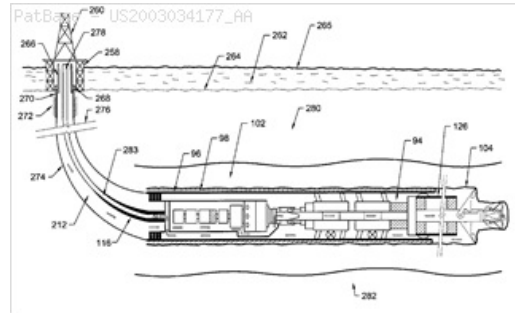
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Abstract:

Source: US2003034177A 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.



Title: COMPOSITIONS ENCODING LEPIDOPTERAN-TOXIC POLYPEPTIDES AND METHODS OF USE

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 WO1997US22181 19971126

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CPC: B41M5/395 Y10S428/913 Y10S428/914 Y10T428/31855 Y02A40/162 C12R1/075 C07K14/325 C12N15/8286**European class:** B41M5/38M B41M5/395 C07K14/325 C12N15/82C8B6E C12R1/07B M07K203/00 M07K205/00 M07K207/00 M07K215/00**US class:** 424/780 428/195 428/500 428/913 428/914 435/184 435/184S 435/252.3 435/252.31 435/252.310S 435/320.01 435/320.1 435/320.100S 435/325 435/41 435/410 435/410S 435/419 435/419S 435/468

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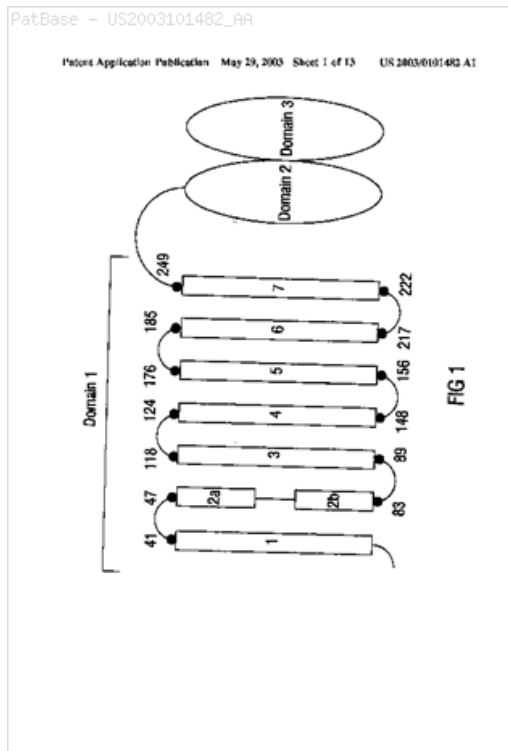
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Abstract:

Source: US2003101482A Disclosed are novel synthetically-modified *B. thuringiensis* nucleic **acid** segments encoding delta-endotoxins having insecticidal activity against lepidopteran insects. Also disclosed are synthetic crystal proteins encoded by these novel nucleic **acid** sequences. **Methods** of making and using these genes and proteins are disclosed as well as **methods** for the recombinant expression, and transformation of suitable host cells. Transformed host cells and transgenic plants expressing the modified endotoxin are also aspects of the invention. Also disclosed are **methods** for modifying, altering, and mutagenizing specific loop regions between the alpha helices in domain 1 of these crystal proteins, including Cry1C, to produce genetically-engineered recombinant cryss genes, and the proteins they encode which have improved insecticidal activity. In preferred embodiments, novel Cry1C amino **acid** segments and the modified cry1C amino **acid** sequences which encode them are disclosed.



Title: Smart bathroom fixtures and systems

Priority:

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Publication number	Publication date	Application number	Application date
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Probable Assignee: MANN WILLIAM S G

Assignee(s):(std): MANN W S G ; MANN W STEPHAN G ; MANN W STEPHEN G ; STEPHEN G MANN W ; MANN W STEVE G ; MANN WILLIAM S G ; MANN WILLIAM STEPHEN GEORGE ; MANN STEVE

Assignee(s): W STEPHEN G MANN ; MANN W ; WILLIAM STEPHEN GEORGE MANN

Inventor(s):(std): MANN W STEPHEN G ; MANN W STEVE G ; MANN WILLIAM STEPHEN GEORGE ; W STEPHEN G MANN ; MANN STEVE ; MANN STEVE G

Inventor(s): MANN W ; WILLIAM STEPHEN GEORGE MANN

Agent(s): SMART AND BIGGAR; NA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY 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 UZ VN YU ZW

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US class:

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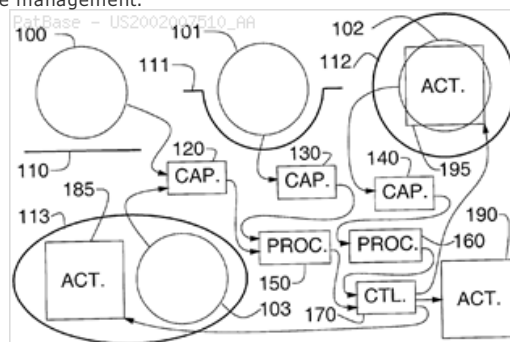
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Abstract:

Source: US2002007510A Image sensors, processors, and control systems facilitate automatic sensor operated bathroom fixtures, systems for controlling bathroom fixtures, and **methods** of bathroom fixture design, control, and management, as well as the control and management of hygiene and water resources. The networked plumbing systems also help facility managers and law enforcement personnel monitor the operation of various bathrooms in a facility or at remote facilities. Image sensors are used for controlling several showers, faucets, urinals, or water closets in large bathroom complexes. Image based intelligent bathroom fixtures and systems help enhance the privacy of users by ensuring that law abiding users need not be disturbed by police foot patrols into the restroom areas, or by security guards entering simply to make inspections. An aquionics bathroom control system of the invention maintains the cleanliness, safety, security, and privacy of the occupants in a smart bathroom environment. Additionally, in some embodiments, a bathroom facility of the invention may be used for mass decontamination during times of emergency for processing victims of a nuclear, biological, or chemical incident. Once ubiquitously installed for routine control of fixtures, the apparatus facilitates a secondary usage such as monitoring by triage staff, medical personnel, decontamination officers, or law enforcement officers during times of terrorist consequence management.



Title: SPACER FILLER

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WO9838918 A1	19980911	WO1998IB00523	19980306

Probable Assignee: DEPUY SYNTHES PRODUCTS LLC

Assignee(s):(std): ABRAHAM J DOMB ; ADHYA SANKAR ; BEN YOSEF YOSEF ; BEYAR MORDECHAY ; DASSLER ADI KG ; DASSLER KG ADI ; DISC O TECH LTD ; DISC O TECH MEDICAL ; DEPUY SPINE INC ; DEPUTY SPINE INC ; DEPUY SYNTHES PRODUCTS LLC ; DISCOTECH MEDICAL TECHNOLOGIES ; DISCOTECH N V ; DISC O TECH ORTHOPEDIC TECHNOL ; DEPUY SYNTHES PRODUCTS INC ; DISC ORTHOPAEDIC TECHNOLOGIES ; DISCO O TECH MEDICAL TECHNOLOG ; DOMB ABRAHAM ; DISC O TECH MEDICAL TECHNOLOGIE ; ELAD MAGAL ; GIULIAN GARY ; EDGAR ROTEM ; DISC O TECH MEDICAL TECHNOLOGI ; DISC O TECH MEDICAL TECH LTD ; SHENHAV BOAZ ; LAMAROVITZ ILAN ; SHARON SIMON ; MAGAL ELAD ; VACHTENBERG OZ ; SHASHA URI ; SHAVIT RONEN ; WACHSLER AVRAHAM HILA ; OREN GLOBERMAN ; MORDECHAY BEYAR ; US GOV COMMERCE ; US GOV HEALTH AND HUMAN SERV ; RONEN SHAVIT ; HILA WACHSLER AVRAHAM ; WARSAW ORTHOPEDIC INC ; MCKINSTRY MICHAEL ; HWANG JEESEONG ; MERRIL CARL ; GLOBERMAN OREN ; KYPHON SARL

Assignee(s): MEDTRONIC SPINE LLC ; HAND INNOVATIONS LLC325 PARAMOUNT DRIVERAYNHAMMA02767 0350US ; ROQUE HUMBERTO FERREYRO IRIGOYEN ; MARIO MARQUEZ MIRANDA ; ORTHOPHOENIX LLC ; REPRESENTED BY SECRETARY OF COMMERCE AS US GOV ; REPRESENTED BY SEC DEP OF HEALTH AND HUMAN SERVICES AS US GOV ; N A ; REPRESENTED BY SECRETARY OF COMMERCE NATIONAL INST ; SEC DEP OF HEALTH AND HUMAN SERVICES AS US GOV ; GLOBERMANN OREN ; THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF COMMERCE ; THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY DEPARTMENT OF HEALTH AND HUMAN SERVICES ; HAND INNOVATIONS LLC ; REPRESENTED BY SEC DEP OF HEALTH AND HUMAN SERVICE ; REPRESENTED BY SECRETARY OF COMMERCE US GOV AS ; THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS ; DISC O TECH MEDICAL TECHNOLOGIES LTD11 HAHOSHLIM STREETP.O. BOX 1226546724HERZLIA PITUACHIL ; DOMB ABRAHAM JACKOB ; DISC OTECH MEDICAL TECHNOLOGIES LTD ; DISC O TECH MEDICAL TECHNOLOGIES LTD ; DISCOTECH LANDHUIS JOONCHI KAYA INTERTRUST NVRJ BE ; DISCOTECH MEDICAL TECHNOLOGIES LTD ; DISCOTECH NV ; DISC O TECH MEDICAL TECHNOLOGIE LTD ; DISC O TECH ORTHOPEDIC TECHNOLOGIES INC ; DISCO O TECH MEDICAL TECHNOLOGIES LTD ; DEPUY SPINE INC RAYNHAM ; DISC ORTHOPAEDIC TECHNOLOGIES INC ; DEPUY SPINE INC325 PARAMOUNT DRIVERAYNHAMMA02767US ; DEPUY SPINE LLC325 PARAMOUNT DRIVERAYNHAMMA02767US ; DEPUY SYNTHES PRODUCTS LLC325 PARAMOUNT DRIVERAYNHAMMA02767US ; DEPARTMENT OF HEALTH AND HUMAN SERVICES US GOV REP ; DEPUY SPINE LLC

Inventor(s):(std): ADHYA SANKAR ; BEYAR MODECHAY ; BEYAR MORDECHAY ; EDGAR ROTEM ; ELAD MAGAL ; FERREYRO ROQUE HUMBERTO ; GIULIAN GARY ; GLOBERMAN OREN ; DOMB ABRAHAM ; GLOBERMANN OREN ; HILA BEYAR MORDECHAY GLOBERMAN ; HWANG JEESEONG ; MCKINSTRY MICHAEL ; MERRIL CARL ; MIRANDA MARIO MARQUEZ ; MORDECHAY BEYAR ; OREN GLOBERMAN ; OZ VACHTENBERG ; RONEN SHAVIT ; SHASHA URI ; URI BEYAR MORDECHAY SHAVIT RON ; URI SHASHA ; VACHTENBERG OZ ; WACHSLER AVRAHAM HILA ; SHENHAV BOAZ ; SHAVIT RONEN ; SHARON SIMON ; MAGAL ELAD ; LAMAROVITZ ILAN ; FERREYRO ROQUE HUMBERTO IRIGOYEN ; BEN YOSEF YOSEF

Inventor(s): BEYAR MORDECHAY SHAVIT RONEN VACHTENBERG OZ GLOBERMAN OREN SHASHA URI ; BEYAR MORDECHAY GLOBERMAN OREN DOMB ABRAHAM SHAVIT RONEN WACHSLER AVRAHAM HILA ; ILAN LAMAROVITZ ; BEYAR MORDECHAY 30889 ; WACHSLER AVRAHAM HILA 69400 ; WACHSLER AVRAHAM HILA IL ; YOSEF BEN YOSEF ; SIMON SHARON ; SHAVIT RONEN 69413 ; SHAVIT RONENIL ; HILA WACHSLER AVRAHAM ; DOMB ABRAHAM JACKOB ; DOMB ABRAHAMIL ; GLOBERMAN OREN 46910 ; GLOBERMAN ORENIL ; BEYAR MORDECHAY 38900 ; BEYAR MORDECHAY GLOBERMAN OREN DOMB ABRAHAM ; BEYAR MORDECHAY SHAVIT RONEN VACHTENBERG OZ ; BEYAR MORDECHAY SHAVIT RONEN VACHTENBERG OZ GLOBER ; BEYAR MORDECHAYIL ; BOAZ SHENHAV

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; CALLINANS; FISHER ADAMS KELLY CALLINANS; MARKS AND CLERK; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; INTEGRAL IP; NORTON ROSE CANADA SENCRL SRL LLP; VIERING JENTSCHURA AND PARTNER; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB PATENTANWALTE RECHTSANWALTE; WALDREN ROBIN MICHAEL ET AL; MACHTALERE GEORGES ET AL; ORR ROBERT; GRANLEESE RHIAN JANE; SCHMITZ JEAN MARIE ET AL; WEYDERT ROBERT ET AL; ORR ROBERT ET AL; BELCHER SIMON JAMES; CURRAN CLAIR; CARPINTERO MARIO; CHIBA AKIO; ONO SHINJIRO; ITO TAKAMI; TOMITA HIROYUKI; MATSUOKA SHUHEI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; KATO MASANOBU; FENSTER AND CO INTELLECTUAL PROPERTY 2002 LTD C O REED SMITH LLP; WOLF BLOCK SCHORR AND SOLIS-COHN LLP; WOLF BLOCK SCHORR AND SOLIS COHN LLP; MARTIN D MOYNIHAN PRSTI INC; NUTTER MCCLENNEN AND FISH LLP; FENSTER AND CO; GE EHRlich 1995 LTD ET AL

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

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International class
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US class:

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Abstract:

Source: US2004167625A A kit, comprising: an expandable spacer; and a quantity of a precursor to a bio-compatible elastic material.



Title: METHOD FOR ANALYZING A FLUID SAMPLE

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Family:

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Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; DENNISON ASSOCIATES; HACKNEY NIGEL JOHN ET AL; HACKNEY NIGEL JOHN; TOWNSEND AND TOWNSEND AND CREW LLP; KILPATRICK TOWNSEND AND STOCKTON LLP

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

International class (IPC 8-9): B01D11/00 B01D15/00 B01D15/08 B01D43/00 B01D57/02 B01F13/00 B01F5/04 B01F5/06 B01J19/00 B01J19/24 B01L11/00 B01L3/00 B01L7/00 B02C19/18 B09B3/00 C02F1/40 C07H1/00 C07H1/06 C07H1/08 C07H21/00 C12M1/00 C12M1/02 C12M1/12 C12M1/26 C12M1/33 C12M1/34 C12M1/42 C12M3/00 C12M3/08 C12N1/00 C12N1/06 C12N13/00 C12N15/09 C12N15/10 C12N5/00 C12Q1/24 C12Q1/68 C12S3/20 C40B60/14 G01N1/04 G01N1/10 G01N1/28 G01N1/34 G01N1/40 G01N21/00 G01N21/05 G01N21/59 G01N21/75 G01N27/447 G01N30/60 G01N31/00 G01N31/20 G01N33/48 G01N33/483 G01N33/50 G01N33/53 G01N35/02 G01N35/08 G01N37/00 (Advanced/Invention); B01D15/08 B01J19/00 B01J19/24 B01L3/14 B01L7/00 C07H21/00 C12M1/00 C12M1/12 C12M1/26 C12M1/33 C12M1/34 C12N1/00 C40B60/14 G01N1/04 G01N1/10 G01N1/34 G01N27/447 G01N31/20 G01N33/48 G01N33/483 G01N33/53 G01N35/08 G01N37/00 (Advanced/Non-invention); B01D11/00 B01D15/08 B01D57/02 B01F13/00 B01F5/04 B01F5/06 B01J19/00 B01J19/24 B01L3/00 B01L7/00 B09B3/00 C02F1/40 C07H1/00 C07H21/00 C12M1/00 C12M1/02 C12M1/26 C12M1/33 C12M1/34 C12M1/42 C12N13/00 C12Q1/68 G01N1/28 G01N1/40 G01N27/447 G01N31/20 G01N33/48 G01N33/483 G01N33/53 G01N35/02 G01N35/08 G01N37/00 (Core/Invention); B01L3/14 C12M1/34 G01N1/34 (Core/Non-invention)

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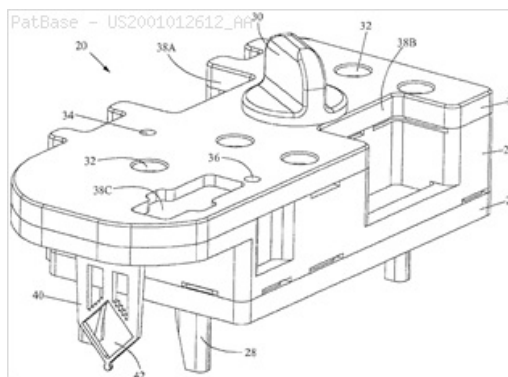
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Abstract:

Source: US2001012612A A **method** for **separating** a desired analyte from a fluid sample comprises the steps of introducing the sample into a cartridge having a sample flow path and a lysing chamber in the sample flow path. The lysing chamber contains at least one **filter** for **separating** cells or viruses from the sample. The sample is forced to flow through the sample flow path, thereby capturing the cells or viruses with the **filter** as the sample flows through the chamber. The ratio of the volume of sample forced to flow through the chamber to the volume capacity of the chamber is preferably at least 2:1, and the volume of sample forced to flow through the chamber is preferably at least 100 microliters. The captured cells or viruses are disrupted to release the analyte therefrom, and the analyte is eluted from the chamber.



Title: Method and apparatus for heat treatment of an extrusion to extract chemicals and gases for injection into a second cold extrusion of inert media to combine and liquefy these in production of a product

Priority: US19940190754 19940202 US19960019153P 19960604 US19990281219 19990330
US19970863030 19970523 US19960653967 19960528

Family:

Publication number	Publication date	Application number	Application date
US5902524 A	19990511	US19960653967	19960528
US5964985 A	19991012	US19970863030	19970523
US6013158 A	20000111	US19990281219	19990330

Probable Assignee: WOOTTEN WILLIAM A

Assignee(s):(std): WOOTTEN WILLIAM A

Inventor(s):(std): WOOTTEN WILLIAM A

International class (IPC 8-9): B01D53/24 C10B3/02 C10B53/00 C10B7/10 C10G1/00 C10G1/02 C10J3/56 (Advanced/Invention)

International class (IPC 1-7): C01B31/00 C10B21/00 C10B3/02 C10B31/00 C10G1/00

CPC: B01J4/002 C10K1/02 C10K1/028 B01D53/24 C10B7/10 C10B53/00 C10G1/02 C10J3/56 C10J2300/1807 C10J2300/0906

European class: B01D53/24 B01J4/00B2 C10B53/00 C10B7/10 C10G1/02 C10J3/56 M10J300/18B

US class: 201/14 201/25 201/40 201/6 201/8 202/100 202/108 202/208 202/266 202/99 208/400 208/427 264/177.14 264/29.1 264/86 425/461 425/72.1 585/241

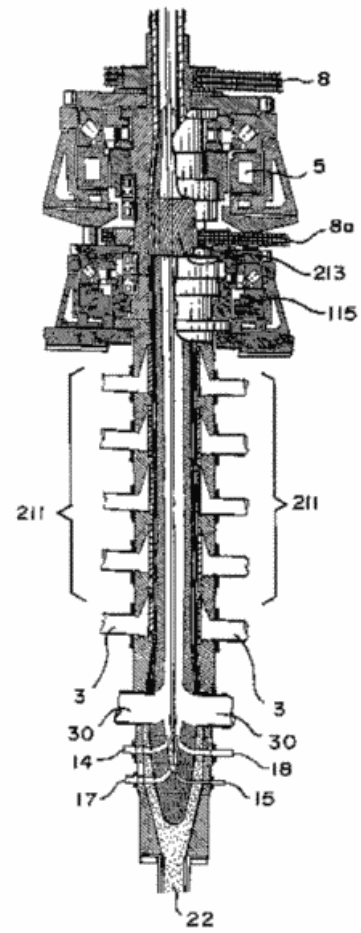
[Classification Explorer](#)

Cited documents: US5780696 A, US5614156 A, US5011625 A, US4938908 A, US4798696 A, US4271086 A, US4266798 A, US4238403 A, US4235800 A, US4219412 A, US4206713 A, US4203915 A, US4181675 A, US4181630 A, US4119656 A, US4107189 A, US4087449 A, US4072625 A, US4065483 A, US4031123 A, US3279501 A, US3008187 A,

Forward Citations: WO11130130, WO11130130, WO11002470, WO08091317, WO08030784, USRE46682, US9874396, US9874395, US9869511, US9829247, US9829246, US9823016, US9803918, US9770867, US9752827, US9677353, US9671106, US9643111, US9562719, US9534604, US9469074, US9423174, US9416645, US9353322, US9328920, US9310338, US9273260, US9241372, US9234149, US9182114, US9181468, US9149761, US9127221, US9102864, US9079222, US9073104, US9034061, US9034058, US9012524, US8999020, US8980802, US8955467, US8932050, US8926832, US8893666, US8748687, US8746459, US8734548, US8734547, US8733459, US8728183, US8728182, US8727672, US8709113, US8695805, US8685234, US8669013, US8653149, US8652696, US8652222, US8648121, US8647402, US8622220, US8561805, US8557878, US8556083, US8545580, US8533974, US8522876, US8502007, US8479834, US8479833, US8404108, US8404107, US8378509, US8366795, US8361428, US8349039, US8342102, US8328890, US8318112, US8316557, US8312995, US8312738, US8297542, US8294287, US8286901, US8272442, US8268899, US8258364, US8240063, US8231010, US8202913, US8201693, US8201501, US8192716, US8181561, US8172740, US8163048, US8133164, US8123827, US8118172, US8114177, US8114176, US8113356, US8101812, US8099259, US8091381, US8037618, US8028438, US8024871, US8006407, US7984566, US7980392, US7963048, US7926750, US7922782, US7901644, US7897126, US7882707, US7606678, US7593837, US7490483, US7369959, US7367225, US7353621, US7329099, US7275453, US7222519, US7178262, US7050944, US6944967, US6921028, US6824747, US6790430, US2014277772, US2014231417, US2014226959, US2013193953, US2013161009, US2012308441, US2012234264, US2012182827, US2011217602, US2011209355, US2011146979, US2011146978, US2011146623, US2011101703, US2011088897, US2011065057, US2011062721, US2010322721, US2010292350, US2010287836, US2010287835, US2010272519, US2010270216, US2010223804, US2010210885, US2010181265, US2010179232, US2010173806, US2010168495, US2010168494, US2010121125, US2010120926, US2010109342, US2010089802, US2010089652, US2010076235, US2010071262, US2010038143, US2010024451, US2009324462, US2009324461, US2009324460, US2009324458, US2009314625, US2009266107, US2009260287, US2009259080, US2009250381, US2009242466, US2009227477, US2009221865, US2009220406, US2009218424, US2009217590, US2009217589, US2009217587, US2009217586, US2009217585, US2009217582, US2009193822, US2009178978, US2009169449, US2009169448, US2009166588, US2009165383, US2009165381, US2009165380, US2009165379, US2009165361, US2009151190, US2009145836, US2009133436, US2009120846, US2009105059, US2009090056, US2009090055, US2009078612, US2009078415, US2009057205, US2009048476, US2008178489, US2008127505, US2008120864, US2008072447, US2008016768, US2008010767, US2007277437, US2007193055, US2007144027, US2007083072, US2007048137, US2007044341, US2006137433, US2006075775, US2006074571, US2006053653, US2005240382, US2005218244, US2005216209, US2005172827, US2005058575, US2005006888, US2004102929, US2004094637, US2001032717, RU2636368, RU2577443, RU2561418, RU2510414, GB2458434, GB2458434, CN105505412, AU2007345353,

Abstract:

Source: US5902524A A **method** and apparatus in which an extruder with vacuum evacuation and gas injection means is multi-charged with a plurality of materials to extrude these over streamlined fuel-admitting pipes to make a laminated tubular feedstock serving as a moving enclosure for an intense fire with a fusible liner-layer of encapsulating glaze shielding the said feedstock outer lamination as it exits the said nozzle to telescope within a rotating perforated support tube that permits the centrifugal escape of heat-generated fluids and gases within a prior evacuated, pressure-modulated enclosure from which said gases are fractionally expelled to thermal diffusion and centrifugal/parabola/cyclotronic means providing molecular division by mass and weight after which the said divided gases are delivered into an evacuated inert media mass of particles moving in a like extrusion means to a like said rotating perforated tube but with elimination of the said laminated extruded lining replaced by a permanent solid support tube creating a torus space between it and the said perforated tube to retain the said inert media that churns in rotational passage to combine the injected gases and chemicals in formation of a product cooled by an exotherm-controlling cold gas or fluid driven through the center of said supporting tube which said cold causes the hot gases to reach liquefying vapor pressure points and exude from the said perforated tube into the enclosure for collection.



Title:RAISED ISLAND ABRASIVE AND PROCESS OF MANUFACTURE

Priority:US19970812012 19970306US19980168057 19981007US20000715448 20001117US20040816275 20040401US20050029761 20050105US20040816275 20040816US20040824107 20040414US20030418257 20030416US20010015478 20011213US20080217565 20080707US20080221265 20080730

Family:	Publication number	Publication date	Application number	Application date
	EP1207015 A2	20020522	EP20010309698	20011116
	EP1207015 A3	20030730	EP20010309698	20011116
	JP2002200566 A2	20020716	JP20010352985	20011119
	US2002061723 AA	20020523	US20010015478	20011213
	US2004235406 AA	20041125	US20040824107	20040414
	US2005032469 AA	20050210	US20040816275	20040816
	US2005118939 AA	20050602	US20050029761	20050105
	US2008299875 AA	20081204	US20080221265	20080730
	US2010003904 AA	20100107	US20080217565	20080707
	US5910041 A	19990608	US19970812012	19970306
	US6149506 A	20001121	US19980168057	19981007
	US6752700 BB	20040622	US20010015478	20011213
	US6769969 BA	20040803	US20000715448	20001117
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	US7632434 BB	20091215	US20040824107	20040414
	US8062098 BB	20111122	US20080217565	20080707
	US8256091 BB	20120904	US20080221265	20080730
	US8545583 BB	20131001	US20050029761	20050105

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

International class (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)

International class (IPC 1-7):B24B1/00 B24B5/00 B24B7/19 B24D11/00 B24D18/00 B24D3/00 C09K3/14

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European class: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

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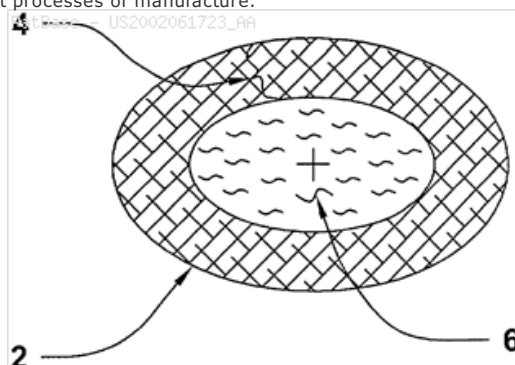
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Abstract:

Source: US2002061723A 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.



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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 HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MX MY NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8-9): A61B17/00 A61B17/12 A61F2/01 A61F2/06 A61F2/07 A61F2/24 A61F2/82 A61F2/84 A61F2/848 A61F2/86 A61F2/90 A61F2/91 A61F2/915 A61F2/954 A61L27/00 A61L27/18 A61L27/22 A61L27/50 A61L31/00 A61L31/02 A61L31/14 A61L33/12 B21D43/28 B23K26/00 B24B1/00 C25F3/16 H02G1/12 (Advanced/Invention); A61F2/00 A61F2/01 A61F2/02 A61F2/06 A61F2/24 A61F2/848 A61F2/90 A61F2/91 A61M29/00 (Advanced/Non-invention); A61B17/00 A61B17/12 A61F2/01 A61F2/06 A61F2/24 A61F2/82 A61L27/00 A61L31/02 A61L31/14 A61L33/00 (Core/Invention); A61F2/02 A61F2/24 (Core/Non-invention)

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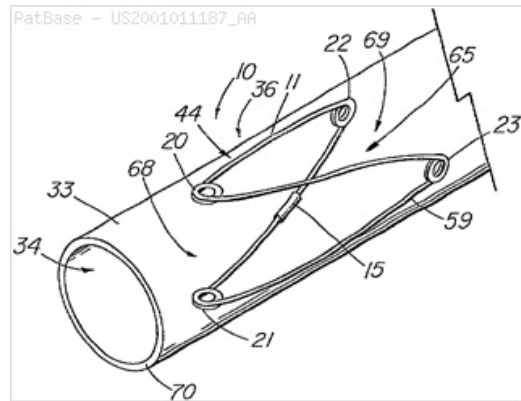
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Abstract:

Source: US2001011187A A multiple-sided medical device comprises a closed frame of a single piece of wire or other resilient material and having a series of bends and interconnecting sides. The device has both a flat configuration and a second, folded configuration that comprises a self-expanding stent. The stent is pushed from a delivery catheter into the lumen of a duct or vessel. One or more barbs are attached to the frame of the device for anchoring or to connect additional frames. A covering of fabric or other flexible material such as DACRON, PTFE, or collagen, is sutured or attached to the frame to form an occlusion device, a stent graft, or an artificial valve such as for correcting incompetent veins in the lower legs and feet. A partial, triangular-shaped covering over the lumen of the device allows the valve to open with normal blood flow and close to retrograde flow.



Title: CARBONIZED WOOD-BASED MATERIALS

Priority: US19960678084 19960711 US19980220868 19981223 US20030421185 20030423
US20020374739P 20020423 US20000544063 20000406

Family:

Publication number	Publication date	Application number	Application date
US2004005461 AA	20040108	US20030421185	20030423
US6051096 A	20000418	US19960678084	19960711
US6124028 A	20000926	US19980220868	19981223
US6670039 BA	20031230	US20000544063	20000406

Probable Assignee: KERCHER ANDREW KEITH

Assignee(s): BYRNE CHRISTOPHER E ; KERCHER ANDREW KEITH ; NAGLE DENNIS C

Inventor(s):(std): BYRNE CHRISTOPHER E ; KERCHER ANDREW KEITH ; NAGLE DENNIS C

International class (IPC 8-9): C04B35/573 C10B53/02 (Advanced/Invention); C04B35/565 C10B53/00 (Core/Invention)

International class (IPC 1-7): B32B5/14 B32B9/00 C09J5/00

CPC: Y10T428/30 C04B35/573 C10B53/02 Y02E50/14 Y10T428/249953 Y10T428/249956 Y10T428/249957 Y10T428/249959 Y10T428/249967 Y10T428/249968 Y10T428/249969 Y10T428/24997 Y10T428/249987 Y10T428/24999 Y10T428/249992 Y10T428/31678 Y10T428/662

European class: C04B35/573 C10B53/02 Y02E50/14

US class: 156/311 190/115 190/122 190/18A 264/29.4 264/29.400S 428/17 428/304.4 428/307.3 428/307.7 428/308.8 428/312.2 428/312.4 428/312.6 428/312.8 428/318.4 428/319.1 428/319.7 428/408 428/408P 428/457 428/541 428/541S 428/698

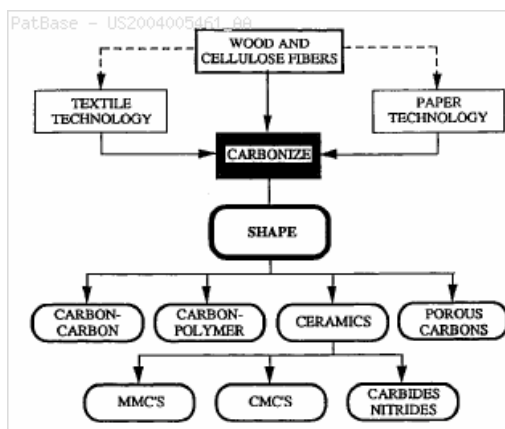
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Forward Citations: WO10065339, WO09033015, WO07113219, WO06102543, WO05056843, WO04055133, WO04044047, WO04044047, WO03059842, WO0206046, WO0181270, WO0181270, US9539773, US9518701, US9478324, US9468901, US9283512, US9216906, US9186650, US9132412, US9017806, US8852523, US8733409, US8585944, US8541015, US8287895, US8197948, US8197930, US8012575, US7987614, US7980495, US7971809, US7854783, US7825172, US7710347, US7709557, US7708214, US7704443, US7653279, US7537826, US7470463, US7447406, US7408056, US7378149, US7368405, US7238308, US7205052, US7008984, US6979513, US6919063, US6913821, US6856766, US6849101, US6841273, US6764620, US6702969, US6673279, US6613251, US6589655, US6580598, US6573215, US6395677, US2015175421, US2014020419, US2012125582, US2012090735, US2011027570, US2010285314, US2010267097, US2010176541, US2010162850, US2010139841, US2010137126, US2010127421, US2010010686, US2009139371, US2009096687, US2009068553, US2007245656, US2007045456, US2007014972, US2006281633, US2006247336, US2006127662, US2006094801, US2005260422, US2005067730, US2004177548, US2004135275, US2004126561, US2004067316, US2004055865, US2004038043, US2004022036, US2004009346, US2004005461, US2003178733, US2003132540, US2003102594, US2002192400, TWI522310, RU2583360, GB2411659, GB2411659, ES2304207, EP1840264, EP1689895, EP1473351, EP1219578, EP1219578, DE102006007192, DE102005042950, AU2013203472, AU2004297630,

Abstract:

Source: US2004005461A A **method** of carbonizing fabricated wood-based materials, such as wood composition board, is disclosed. Fabricated wood-based material is used as a precursor material, which is carbonized under controlled temperature and atmosphere conditions to produce a porous carbon product having substantially the same cellular structure as the precursor fabricated wood-based material. The porous carbonized product may be used for various applications such as **filters**, fuel cell gas separators, and **battery** electrodes, or may be further processed to form carbon-polymer or carbon-carbon composites. The carbonized product may also be converted to a ceramic such as silicon **carbide**. Additional processing may be used to form ceramic-metal or ceramic-ceramic composites.



Title:	BIOCHANNEL ASSAY FOR HYBRIDIZATION WITH BIOMATERIAL					
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Family:	Publication number	Publication date	Application number	Application date
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Probable Assignee: GOOGLE TECHNOLOGY HOLDINGS LLC

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

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International class (IPC 1-7): B01D53/02 B01D53/14 B01J10/00 B01J19/00 B01J19/00 B01J19/12 B01J19/24 B01J35/02 B01L3/00 B01L7/00 B28B11/00 B32B18/00 B32B18/00 B32B31/12 B32B31/26 B81B1/00 C04B33/32 C07H21/02 C07H21/04 C12M1/00 C12M1/34 C12M3/00 C12N15/09 C12P19/34 C12Q1/68 F04B19/00 F04B19/00 G01N30/02 G01N30/60 G01N30/66 G01N30/90 G01N31/20 G01N31/22 G01N33/53 G01N33/543 G01N33/552 G01N33/558 G01N33/566 G01N35/08 G01N37/00 H05B6/64 H05B6/80 H05K3/46

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T05K3/46B5B

European class:

US class:

156/219 156/272.8 156/312 156/89.11 156/89.12 156/89.16 156/89.23 216/52 216/52S 219/678
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422/89 422/89P 435/285.1 435/287.1 435/287.100P 435/287.2 435/287.200P 435/287.200S 435/288.4
435/288.5 435/288.500P 435/288.7 435/305.3 435/4 435/6 435/6.11 435/6.100S 435/6.11 435/6.110P
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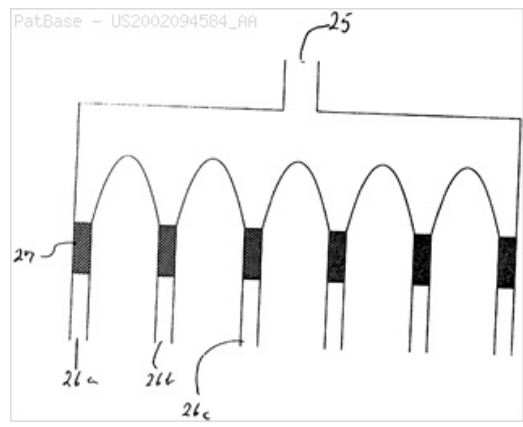
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Abstract:

Source: US2002094584A The invention relates to a microfluidic device with microchannels that have **separated** regions which have a member of a specific binding pair member such as DNA or RNA bound to porous polymer, beads or structures fabricated into the microchannel. The microchannels of the invention are fabricated from plastic and are operatively associated with a fluid propelling component and detector.



Title:	POLYNUCLEOTIDE COMPOSITIONS TOXIC TO DIABROTICA INSECTS, AND METHODS OF USE			
Priority:	US19980184748 19981102	US20020120255 20020410	US20080240110 20080929	
	US20060332654 20060113	WO1999US25492 19991029		
Family:	Publication number	Publication date	Application number	Application date
	AR021067 AA	20020612	AR1999P105549	19991102
	AR021067 AA	20020612	AR1999P105549	19991103
	AT315652 E	20060215	AT19990962669T	19991029
	AU200019068 A1	20000522	AU20000019068	19991029
	AU200019068 A5	20000522	AU20000019068	19991029
	BRPI9915828 A	20010821	BR1999PI15828	19991029
	BRPI9915828 B1	20160830	BR1999PI15828	19991029
	CA2348755 AA	20010501	CA19992348755	19991029
	CA2348755 C	20120320	CA19992348755	19991029
	DE69929466 D1	20060406	DE19996029466	19991029
	DE69929466 T2	20060921	DE19996029466T	19991029
	EP1129198 A1	20010905	EP19990962669	19991029
	EP1129198 B1	20060111	EP19990962669	19991029
	MXPA01004361 A1	20030606	MX2001PA04361	19991029
	US2003068335 AA	20030410	US20020120255	20020410
	US2006123512 AA	20060608	US20060332654	20060113
	US2009087863 AA	20090402	US20080240110	20080929
	US6468523 BA	20021022	US19980184748	19981102
	US7022897 BB	20060404	US20020120255	20020410
	US7429454 BB	20080930	US20060332654	20060113
	WO0026378 A1	20000511	WO1999US25492	19991029
	ZA200103164 A	20020718	ZA20010003164	20010418
Probable Assignee:	MONSANTO TECHNOLOGY LLC			
Assignee(s):(std):	METTUS ANNE MARIE LIGHT ; MONSANTO CO ; MONSANTO TECHNOLOGY LLC ; MONSANTO COMPANY ; MONSANTO TECHNOLOGY LLP ; PHARMACIA CORP ; BAUM JAMES A			
Assignee(s):	ECOGEN INC ; MONSANTO TECHNOLOGY LLC ST LOUIS			
Inventor(s):(std):	BAUM A ; BAUM JAMES A ; METTUS ANNE MARIE LIGHT ; METTUS LIGHT ; METTUS ANNE MARIE L ; JAMES A BAUM ; ANNE MARIE LIGHT METTUS			
Inventor(s):	BAUM JAMES ; METTUS ANNE MARIE			
Agent(s):	MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; HOWREY LLP; TIMOTHY K; BALL ESQ TIMOTHY K			
Designated states:	AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK 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 TZ UA UG UZ VN YU ZA ZW			
International class (IPC 8-9):	A01H1/00 A01H5/00 C07K14/325 C07K16/12 C12N1/21 C12N15/11 C12N15/32 C12N15/62 C12N15/82 C12N5/04 C12Q1/68 G01N33/53 (Advanced/Invention); C12N15/82 (Advanced/Non-invention)			
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European class:	C07K14/325 C12N15/82C8B6E M07K203/00 M07K207/00 M07K213/00 M07K215/00 M07K319/00			
US class:	424/246.1 424/246.100P 424/93.2 424/93.461 424/93.461S 435/252.3 435/252.31 435/252.310S 435/320.1 435/418 435/419 435/419S 435/468 435/468S 435/6 435/6.15 435/7.2 435/7.200P 435/71.1 514/12 514/2 514/2.1 514/2.100S 514/21.2 514/4.5 514/4.500S 530/35 530/350 530/350S 530/388.3 530/388.300S 530/389.5 530/389.500S 530/825 536/23.71 536/24.32 800/260 800/279 800/279P 800/302			

[Classification Explorer](#)

Cited documents: WO9813497 A1, WO9610083 A1, WO9604284 A1, WO9423036 A1, WO9013651 A1, WO9013497 A1, US5824792 A, US5596071 A, US5436002 A, GB220238 A, GB2202328 A1, EP9610083,

Forward Citations: WO17112538, WO16209708, WO16196013, WO16186986, WO16171999, WO16168289, WO16106066, WO16061206, WO15120276, WO15088937, WO15077525, WO15041769, WO15038262, WO14138339, WO14126986, WO14036238, WO14028426, WO14003769, WO13158442, WO13134734, WO13134535, WO13134523, WO13130813, WO13019600, WO13016622, WO13016617, WO12158535, WO12138703, WO12135501, WO12135436, WO12134921, WO12030711, WO11103248, WO11103247, WO11088299, WO11050271, WO11014749, WO11002992, WO10141141, WO10102172, WO10099431, WO10099365, WO10077858, WO10075498, WO10075352, WO08105890, WO07147029, WO05069986, WO0187940, WO0187940, US9567381, US8571764, US8194514, US7943160, US7919609, US7790960, US7554005, US7208656, US7205454, US7091399, US6706860, US6541448, US2013310543, US2011103212, US2010261614, US2010256051, US2006057178, EP3181579, EP3150625, EP2982757, EP2957638, EP2949659, EP2937419, EP2868749, EP2762570, EP2752492, EP2752491, EP2752490, EP2752489, EP2733152, EP2733151, EP2728007, EP2727933, EP2671951, EP2666866, EP2607489, EP2607488, EP2527453, EP2527452, EP2455394, EP2455393, EP2455392, EP2455391, EP2333079, EP2130839, EP1947184, EP1862473, EP1594966, EP1287144,

Abstract:
Source: US2003068335A Disclosed is a novel Lepidopteran- and Coleopteran-active delta-endotoxin polypeptide, and compositions comprising the polypeptide, peptide fragments thereof, and antibodies specific therefor. Also disclosed are vectors, transformed host cells, and transgenic plants that comprise nucleic acid segments encoding the polypeptide. Also disclosed are methods of identifying related polypeptides and polynucleotides, methods of making and using transgenic cells comprising the novel sequences of the invention, as well as methods for controlling an insect population, such as the Western Corn Rootworm and Colorado potato beetle, and for conferring to a plant population resistance to the target insect species.

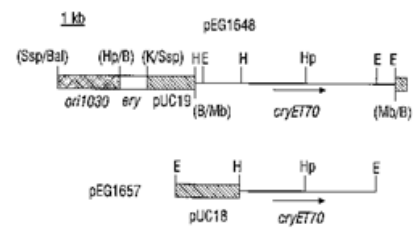


FIG. 1

Title: METHOD FOR GRINDING GLASS

Priority: US19990130813P 19990423 US20000553295 20000420 WO2000US10915 20000421

Family:

Publication number	Publication date	Application number	Application date
AU200044842 A1	20001110	AU20000044842	20000421
AU200044842 A5	20001110	AU20000044842D	20000421
DE60005168 D1	20031016	DE20006005168	20000421
DE60005168 T2	20040617	DE20006005168T	20000421
EP1173306 A1	20020123	EP20000926285	20000421
EP1173306 B1	20030910	EP20000926285	20000421
JP2002542056 T2	20021210	JP20000613611T	20000421
KR100810205 B1	20080306	KR20017013463	20000421
KR20010112447 A	20011220	KR20017013463	20000421
US6634929 BA	20031021	US20000553295	20000420
WO0064631 A1	20001102	WO2000US10915	20000421

Probable Assignee: 3M CO

Assignee(s):(std): 3M CO ; 3M CO MINNESOTA MINING AND MFG COMPANY ; 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES CO SAINT PAUL ; 3M INNOVATIVE PROPERTIES COMPANY

Inventor(s):(std): VISSER G ; VISSER ROBERT G

Inventor(s): ROBERT G VISSER

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

International class (IPC 8-9): B24B21/00 B24B7/24 B24D11/00 B24D3/32 B24D3/34 (Advanced/Invention); B24B7/24 (Advanced/Non-invention); B24B21/00 B24B7/20 B24D11/00 B24D3/20 B24D3/34 (Core/Invention)

International class (IPC 1-7): B24B1/00 B24B21/00 B24B7/24 B24D11/00 B24D3/32 B24D3/34

CPC: B24B7/241 B24D3/32 B24D3/346 B24D11/001

European class: B24B7/24B B24D11/00B B24D3/32 B24D3/34C

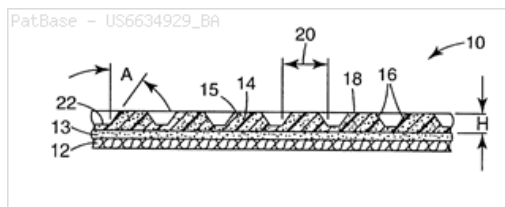
US class: 451/28 451/36 451/41 451/42 451/59 451/63

[Classification Explorer](#)

Cited documents: WO9839142 A1, WO9810896 A1, WO9706928 A1, WO9522436 A1, WO9519242 A1, WO9507797 A1, US5958794 A, US5888119 A, US5876268 A, US5733178 A, US5692950 A, US5672097 A, US5580647 A, US5573447 A, US5549961 A, US5505747 A, US5500273 A, US5453312 A, US5435816 A, US5368619 A, US5341609 A, US5256170 A, US5254194 A, US5236472 A, US5219462 A, US5152917 A, US4903440 A, US4799939 A, US4773920 A, US4751138 A, US4735632 A, US4652275 A, US4609581 A, US4311489 A, US3916584 A, KR100150779 B1, KR0150779 B1, JP28046358, GB2256606 A1, GB2255636 A1,

Forward Citations: WO17127698, WO14011517, WO03024664, WO03024664, WO03020474, WO0183166, WO0174535, US9649741, US9415480, US9221148, US8944886, US8926411, US8840447, US8808064, US8801497, US8323072, US8177604, US7935402, US7858178, US7618306, US7594845, US7404756, US7252577, US7044835, US6991521, US6866560, US6860795, US2016303705, US2016303704, US2016001417, US2013083457, US2012289125, US2010197200, US2008254280, US2007093181, US2007066186, US2007042677, US2006094340, US2006094322, US2004180618, US2004102140, TWI595976, KR101783406, JP2014018893, JP2012179539, JP2011230220, DE102007060973, DE102007060973, CN104128896, CN104128896,

Abstract:
Source: US6634929B A **method** of grinding a glass or other workpiece is described comprising the steps of: contacting a grinding layer of a flexible abrasive article with the surface of a glass workpiece, the grinding layer comprising abrasive grit dispersed in a bonding matrix, the matrix attached to a flexible backing; and moving the grinding layer of the flexible abrasive article and the surface of the glass workpiece relative to one another at a velocity of at least about 16.5 meters per second to provide a final surface roughness Ra less than about 0.030 micrometer.



Title: METHOD OF FABRICATING A SEMICONDUCTOR DEVICE

Priority: JP19990148351 19990527 JP19990148352 19990527 JP19990324366 19991115
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 JP20010105575 20010404

Family:

Publication number	Publication date	Application number	Application date
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CN1356184 A	20020703	CN20011042577	20011203
CN1605378 A	20050413	CN200410064205	20000331
CN1840250 A	20061004	CN200610068160	20000331
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DE60035919 T2	20080508	DE20006035919T	20000329
EP1055445 A2	20001129	EP20000302579	20000329
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EP1055446 A3	20010516	EP20000302597	20000329
EP1055446 B1	20070815	EP20000302597	20000329
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EP1055447 A3	20010516	EP20000302612	20000329
EP1055448 A2	20001129	EP20000302614	20000329
EP1055448 A3	20010516	EP20000302614	20000329
ES2291172 T3	20080301	ES20000302597T	20000329
JP2001038152 A2	20010213	JP19990353822	19991214
JP2001038153 A2	20010213	JP20000156510	20000526
JP2001038351 A2	20010213	JP19990324366	19991115
JP2001038352 A2	20010213	JP19990324367	19991115
JP2001044149 A2	20010216	JP19990324465	19991115
JP2001347144 A2	20011218	JP20010105540	20010404
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TWI231770 B	20050501	TW20000105634	20000328
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US6890242 BB	20050510	US20040781009	20040218

Probable Assignee:	SANYO ELECTRIC CO LTD
Assignee(s):(std):	SANGO ELECTRIC CO LTD ; SANYO AQUA TECHNOLOGY CO LTD ; SANYO ELECTRIC CO ; TSUIHIJI MOTOYUKI ; SANYO ELECTRIC CO LTD A JAPAN ; SANYO ELECTRIC CO LTD
Assignee(s):	SANYO ELECTRIC CO LTD A JAPAN CORP ; SANYO AQUA TECHNOLOGY CO ; IINUMA HIROFUMI ; PANASONIC CORP ; SANGO ELECTRIC CO
Inventor(s):(std):	HIROFUMI IINUMA ; HIROFUMI TSUIHIZA MOTOYUKI IIN ; MOTOYUKI TSUIHIJI ; MOTOYUKI TSUIHIZA ; MOTOYUKI TSUIHIZU ; MOTOYUKI TUSIHIZU ; TSUIHIZA MOTOYUKI ; TSUIHIZA MOTOYUKI IINUMA HIROFUMI ; TSUIHIZU MOTOYUKI ; TUSIHIZU MOTOYUKI ; LINUMA HIROFUMI ; HIROFUMI TSUIHIJI MOTOYUKI IIN ; HIROFUMI TAIHICHI MOTOYUKI IIN ; TAIHICHI MOTOYUKI ; IINUMA HIROFUMI ; TSUIHIJI MOTOYUKI ; TAKAGAWA TEIJI
Inventor(s):	TAIHICHI MOTOYUKI IINUMA HIROFUMI ; HIROFUMI LINUMA ; TSUIHIJI MOTOYUKI IINUMA HIROFUMI
Agent(s):	FISH AND RICHARDSON PC
Designated states:	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
International class (IPC 8-9):	B01D24/00 B01D24/46 B01D25/00 B01D25/164 B01D29/01 B01D29/11 B01D29/15 B01D29/25 B01D29/27 B01D29/37 B01D29/50 B01D29/62 B01D29/66 B01D35/00 B01D35/02 B01D35/22 B01D35/26 B01D36/02 B01D37/00 B01D37/02 B01D61/00 B01D61/14 B01D61/22 B01D63/00 B01D63/08 B01D65/02 B01D69/06 B01D69/14 B01D71/02 B01D71/26 B08B3/14 B09B3/00 B23Q11/00 B23Q11/10 B24B37/00 B24B55/03 B24B55/12 B24B57/00 B24B57/02 B30B9/04 B30B9/28 B60P3/00 C01B33/02 C02F1/00 C02F1/44 C02F1/52 C02F103/12 C02F11/12 C02F9/00 C04B18/04 C04B33/13 C04B33/32 E03F5/14 H01L21/00 H01L21/301 H01L21/304 (Advanced/Invention); B01D24/00 B01D35/00 B01D61/14 B60P3/00 C02F1/32 C02F1/44 C02F1/52 C02F103/12 H01L21/304 (Advanced/Non-invention); B01D24/00 B01D25/12 B01D29/11 B01D29/13 B01D29/31 B01D29/50 B01D35/00 B01D36/00 B01D37/00 B01D61/00 B01D61/14 B01D63/00 B01D63/08 B01D65/00 B01D69/00 B01D71/00 B08B3/14 B09B3/00 B23Q11/00 B23Q11/10 B24B55/00 B24B57/00 B24G9/00 B30B9/00 B30B9/02 B60P3/00 C01B33/00 C02F1/00 C02F1/44 C02F1/52 C02F11/12 C02F9/00 C04B18/04 C04B33/02 H01L21/00 H01L21/02 H01L21/304 (Core/Invention); B60P3/00 C02F1/32 C02F1/52 (Core/Non-invention)
International class (IPC 1-7):	B01D1/00 B01D17/12 B01D24/00 B01D25/00 B01D29/00 B01D29/01 B01D29/11 B01D29/25 B01D29/27 B01D29/37 B01D29/50 B01D29/62 B01D29/66 B01D29/70 B01D33/00 B01D35/00 B01D35/02 B01D35/22 B01D35/26 B01D36/02 B01D37/00 B01D37/02 B01D61/00 B01D61/14 B01D61/22 B01D63/00 B01D63/08 B01D65/00 B01D65/02 B01D69/06 B01D69/14 B01D71/02 B01D71/26 B08B3/02 B08B3/14 B09B3/00 B23Q11/00 B23Q11/10 B24B1/00 B24B37/00 B24B55/03 B24B55/12 B24B57/00 B24B57/02 B24C9/00 B24G9/00 B30B9/04 B30B9/28 B60P3/00 C01B33/02 C02F1/00 C02F1/44 C02F1/52 C02F103/12 C02F11/12 C02F9/00 C04B18/04 C04B33/13 E03F5/14 H01L21/00 H01L21/301 H01L21/304
CPC:	Y02W10/37 Y02W30/91 B01D29/27 Y02P70/177 Y02P40/69 Y02P70/605 Y02P70/171 B01D29/39 B01D29/52 B01D29/56 B01D29/58 B01D29/70 B01D29/86 B01D36/04 B01D37/04 H01L21/67028 B01D25/164 B01D29/15 B01D36/02 B01D37/02 B01D63/082 B01D69/14 C02F1/32 C02F1/441 C02F1/444 C02F1/52 C02F2103/02 C02F2103/346 C02F2201/008 C02F2103/12
European class:	B01D25/164 B01D29/15 B01D29/27 B01D36/02 B01D37/02 B01D63/08D B01D69/14 C02F1/44D H01L21/67S2D4 M02F1/32 M02F1/44B M02F1/52 M02F103/02 M02F103/12 M02F103/34S M02F201/00M
US class:	210/167 210/167.31 210/193 210/257.1 210/407 210/409 210/739 210/745 210/777 210/778 210/785 210/791 210/805 210/96.1 264/37.29 264/37.3 438/689 438/689P 451/28 451/41 451/53 451/53P 451/54 451/60 451/87 451/87S 451/88

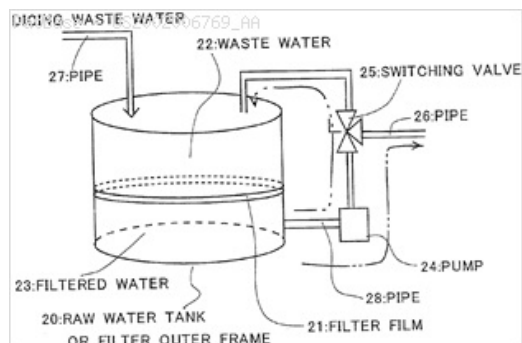
[Classification Explorer](#)

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Forward Citations:	WO14057163, WO13092606, WO12104841, WO12031223, WO12031223, WO11118283, WO10110913, WO10010903, WO08075789, WO07128565, WO07097046, WO06108600, WO03082523, US9896348, US9855529, US9796894, US9669334, US9636609, US9599907, US9592471, US9579773, US9573248, US9358668, US9193032, US9029813, US8999162, US8997998, US8894468, US8777017, US8739806, US8696404, US8685252, US8662963, US8591728, US8488099, US8382993, US8303722, US8282383, US8273253, US8268172, US8215946, US8211214, US8172640, US8017003, US7799214, US7781896, US7713427, US7691313, US7670534, US7641840, US7611624, US7531025, US7498237, US7497960, US7493765, US7462028, US7452463, US7396458, US7387914, US7381323, US7357694, US7316554, US7270533, US7244366, US7157012, US7153186, US7078094, US7057265, US7012320, US6979404, US6974369, US6945521, US6929532, US6896818, US6890242, US6855579, US6800254, US6746309, US6722958, US6722953, US6717242, US2017072437, US2015013235, US2014331567, US2014308880, US2014094094, US2013331787, US2013165029, US2012315739, US2012292527, US2012289133, US2012132596, US20111281338, US2011186513, US2011174745, US2011126813, US2011042291, US2010243575, US2010237016, US2010206818, US2010143879, US2010096764, US2009274596, US2009206016, US2009126468, US2009036025, US2008314832, US2008217223, US2008190868, US2008190849, US2008053493, US2008018866, US2007281443, US2007275114, US2007108111, US2007065532, US2007062867, US2007042687, US2006231472, US2006194514, US2006180903, US2006091069, US2005281945, US2005269271, US2005167371, US2005126472, US2005074512, US2005072757, US2005045565, US2004253770, US2004161935, US2004053564, US2004026326, US2003160337, US2003139067, US2003121855, US2003095894, US2002168926, US2001009780, TW1579441, TW1465316, RU175942, KR20160054419, KR101745687, KR101629308, KR101624947, KR101435308, KR101415792, KR101323765, KR101222275, KR101128929, KR101043863, KR100600665, JP6085500, JP6078236, JP5779083, JP5779081, JP5636040, JP5563765, JP5261090, JP4937389, JP4309633, JP4016110, JP2015107885, JP2014172121, JP2013251435, JP2013123781,

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Abstract:

Source: US2002006769A This **method** provide a **method** for fabricating a semiconductor device in which waste water generated by a step of processing a semiconductor is **filtered** to be clean. In the **method**, removables 12 trapped by a first **filter** film 10 are used as a second **filter** film 13, and clogging of the first **filter** film 10 is prevented, and an external force such as bubbles is applied to the second **filter** film 13 to maintain **filtering** capacity. And when removables are mixed with the **filtered** water, the **filtered** water is recirculated again to the tank in which the waste water is stored, and after it is checked that a desired inclusion rate has been reached filtration is started again.



Title:	IMAGE MAKING MEDIUM					
Priority:	EP20000944650	20000612	US19990138694P	19990611	US20010012259	20011211
	US20020170503	20020614	US20020012259	20020614	US20040567022P	20040430
	WO2000US16111	20000612	US20090631627	20091204	US20140203327	20140310
	US20140584921	20141229	US20050118975	20050428	US20170630499	20170622
	US20170647051	20170711				
Family:	Publication number	Publication date	Application number	Application date		
	AU200058715 A1	20010102	AU20000058715	20000612		
	AU200058715 A5	20010102	AU20000058715D	20000612		
	CA2394645 AA	20020618	CA20002394645	20000612		
	EP1208150 A1	20020529	EP20000944650	20000612		
	EP1208150 A4	20050126	EP20000944650	20000612		
	EP1777255 A2	20070425	EP20070100176	20000612		
	EP1777255 A3	20070711	EP20070100176	20000612		
	US2003035917 AA	20030220	US20020170503	20020614		
	US2014186646 AA	20140703	US20140203327	20140310		
	US2015125829 AA	20150507	US20140584921	20141229		
	US2017287351 AA	20171005	US20170630499	20170622		
	US2017316713 AA	20171102	US20170647051	20170711		
	US7629400 BB	20091208	US20020170503	20020614		
	US8669325 BA	20140311	US20090631627	20091204		
	US9744800 BB	20170829	US20140203327	20140310		
	US9786194 BB	20171010	US20140584921	20141229		
	WO0077085 A1	20001221	WO2000US16111	20000612		
Probable Assignee:	HYMAN SYDNEY					
Assignee(s):(std):	HYMAN SYDNEY					
Assignee(s):	SYDNEY HYMAN					
Inventor(s):(std):	HYMAN SYDNEY					
Inventor(s):	SYDNEY HYMAN					
Agent(s):	OSLER HOSKIN AND HARCOURT LLP; WINSTON AND STRAWN LLP					
Designated states:	AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
International class (IPC 8-9):	B41M1/00 B41M1/30 B41M5/24 B41M5/26 B41M5/36 B44C3/00 B44C3/04 B44C5/00 B44D3/18 B44F1/00 B44F1/06 B44F11/00 C08K5/00 C08K5/34 C08K5/3445 C08L101/00 C08L81/00 D06N7/04 G03C5/00 G09B11/10 (Advanced/Invention); B41M5/24 B41M5/26 C08K5/00 (Advanced/Non-invention)					
International class (IPC 1-7):	B32B1/00 B32B19/00 B32B9/00 B44C1/00 B44C1/26 B44C1/28 B44C3/12 C08J3/00 C08K5/34 C08L1/00 D06N7/04					
CPC:	Y10T428/22 Y10T428/24355 B41M1/30 B41M5/0047 B41M5/24 G03C5/00 B44C5/00 B41M5/26 B41M5/267 B41M5/36 B44C3/046 B44C3/048 B44D3/18 B44F1/00 C08K5/005 G09B11/10					
European class:	B41M1/30 B41M5/36 B44C3/04F B44C3/04F2 C08K5/00P6 G03C5/00 L41M5/00S2 L41M5/24 L41M5/26 L41M5/26L					
US class:	156/58 156/58S 257/40 257/79 345/173 428/141 428/141S 428/15 428/174 428/542.8 428/67 428/67P 428/69 428/690 428/690S 428/80 434/81 438/26 445/24 524/106 524/106S 524/609 524/612 528/502R					

[Classification Explorer](#)

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Forward Citations:	WO18017330, WO17039678, WO16168383, WO14099996, WO14021892, WO14021892, WO13109630, WO13009691, WO13003246, WO13003246, WO12145283, WO11116223, WO11014281, WO11002659, WO11002659, WO10080699, WO08154150, WO08140589, WO08130425, WO08085210, WO08046073, WO08045109, WO08044834, WO08036441, WO08022052, WO08022052, WO08016964, WO08016964, WO08016382, WO07148922, WO07137099, WO07137099, WO07044862, WO07044007, WO06108060, USD750887, USD716057, USD546931, USD542400, USD541922, US9904734, US9875009, US9864489, US9859477, US9853184, US9839265, US9806275, US9796153, US9786194, US9786088, US9753295, US9735298, US9733393, US9727989, US9719263, US9718980, US9715678, US9706802, US9690450, US9690448, US9683305, US9676963, US9675995, US9665850, US9658743, US9645698, US9630206, US9630067, US9619116, US9598606, US9588781, US9574092, US9563115, US9550209, US9549149, US9542667, US9514399, US9513781, US9484123, US9453942, US9453142, US9449250, US9448465, US9416229, US9408431, US9406726, US9385321, US9383586, US9375975, US9342918, US9338114, US9319103, US9317079, US9296912, US9278510, US9261361, US9252013, US9238712, US9223477, US9218300, US9182590, US9171443, US9160197, US9157249, US9121133, US9120149, US9109356, US9098837, US9098473, US9088691, US9058141, US9054329, US9047492, US9046983, US9015624, US9015621, US9006753, US8974230, US8972230, US8970592, US8932678, US8928668, US8928667, US8922548, US8921473, US8915595, US8906804, US8876272, US8846778, US8845230, US8839139, US8830040, US8816211, US8814863, US8814862, US8799808, US8799353, US8791633, US8789490, US8783928, US8765045, US8762880, US8760726, US8743135, US8743077, US8725476, US8715889, US8711452, US8691915, US8689137, US8685260, US8682169, US8681495, US8673681, US8647883, US8638333, US8638199, US8627222, US8619427, US8616885, US8605090, US8603730, US8603616, US8597455, US8562182, US8544376, US8535274, US8513321, US8507029, US8506748, US8484578, US8477148, US8470617, US8439461, US8428495, US8424200, US8416339, US8410913, US8402096, US8384288, US8377111, US8363411, US8361266, US8343412, US8337653, US8334012, US8330839, US8302014, US8290301, US8274715, US8274533, US8267692, US8257786, US8255828, US8241574, US8239882, US8215726, US8211603, US8205352, US8201103, US8176829, US8176828, US8157872, US8150930, US8148166, US8146016, US8133639, US8117542, US8101711, US8076153, US8075300,

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Abstract:

Source: US2003035917A The invention relates to an image support medium for creation of an aesthetic image that is an work or object for display. This support medium includes a polymer in an amount sufficient to enable the image to have at least one aesthetic element. In different embodiments, the image support medium is an image support stabilizer, the polymer is a synthetic absorbent or conductive polymer, or the polymer is a transparent or synthetic translucent polymer and a property of this transparent or translucent polymer is enhanced to facilitate the creation or preservation of the image by at least one stabilizer. The invention also relates to a **method** for preparing this image support medium. The **method** includes forming a reaction mixture comprising a monomer in an amount sufficient to provide or enable the image to have an aesthetic element, and processing the reaction mixture into a 2- or 3-dimensional shape.



Title: COMPOSITIONS FOR FLEXIBLE OPTICAL MEDIA DISCS

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR 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 KR KZ LC LI 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 YU ZA ZM ZW

International class (IPC 8-9): B32B27/00 A41D13/00 A41D31/00 A43B13/14 A61F13/15 A61F13/49 A61F13/511 A61F13/514 A61F13/53 A61F5/44 A61L15/58 A61L15/60 B29C35/08 B32B27/24 C08F297/00 C08F297/04 C08F8/04 C08J5/00 C08J7/00 C08J9/12 C08K3/28 C08K3/32 C08K5/13 C08K5/16 C08K5/3492 C08L101/00 C08L23/08 C08L23/16 C08L51/00 C08L51/06 C08L53/00 C08L53/02 C09D153/02 D04B1/18 D04B21/16 D04H1/56 D04H3/16 D06L1/04 D06L3/00 D06L3/08 D06M10/00 D06M101/20 D06M11/00 D06M11/07 D06M11/30 D06M11/38 D06M11/40 D06M11/50 D06M13/08 (Advanced/Invention); A41D13/00 A41D31/00 A61F13/15 A61F5/44 C08J5/00 C08J7/00 C08L101/00 D04H3/16 D06M101/20 G01N33/36 (Advanced/Non-invention); A41D13/00 A41D31/00 A61F13/15 A61F5/44 A61L15/16 C08F297/00 C08F8/00 C08J5/00 C08J7/00 C08J9/00 C08L101/00 C08L51/00 C08L53/00 D04H3/16 (Core/Invention); B32B C08F C08L (Subclass/Invention)

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European class:

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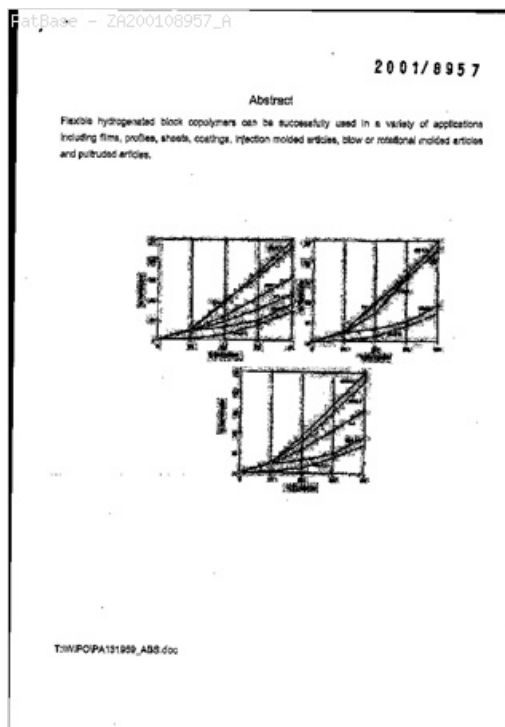
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Abstract:

Source: US2001048991A The present invention is related to flexible information-carrying substrates, such as optical media discs, which can withstand the stresses of being handled, processed and deformed, yet maintain enough integrity and properties such that it can still be read without the use of a rigid adapter.



Title: MULTIPOTENT ADULT STEM CELLS, SOURCES THEREOF, METHODS OF OBTAINING SAME, METHODS OF DIFFERENTIATION THEREOF, METHODS OF USE THEREOF AND CELLS DERIVED THEREOF

Priority:

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Family:

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ZA200306289 A	20050223	ZA20030006289	20030813

Probable Assignee: OF MINNESOTA UNIV

Assignee(s):(std): ABT HOLDING COMPANY ; FURCHT LEO T ; BLAZAR BRUCE ; ATHERSYS INC ; DEANS ROBERT ; CATHERINE M VERFAILLIE ; ATERSIS INK ; MAZIARZ RICHARD ; KOVACSOVICS MAGDALENA ; MORAYMA REYES ; LEO T FURCHT ; MCL LLC ; JEROSCH HEROLD MICHAEL ; GALLEGOS ROBERT ; ABT HOLDING CO ; VERFAILLIE CATHERINE M ; REYES MORAYMA ; UNIV MINNESOTA ; TOLAR JAKUB ; VAN T HOF WOUTER ; STREETER PHILIP ; OREGON HEALTH AND SCIENCE UNIV ; UNIV OREGON HEALTH AND SCIENCE ; LEO T ; REGENTS OF THE UNIVERSITY OF MINNESOTA ; OREGON HEALTH SCIENCE UNIVERSI ; REGENTS OF THE UNIVERSITY OF M ; UNIV OF MINNESOTA ; REGENESYS LLC ; OREGON KHELT EHND SAJENS UNIV ; REGENTS OF UNIV OF M ; UNIV OF MINNESOTA

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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 GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR 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

International class (IPC 8-9): A01K67/02 A01K67/027 A01N63/00 A61D19/04 A61K A61K35/12 A61K35/14 A61K35/15 A61K35/26 A61K35/28 A61K35/30 A61K35/32 A61K35/34 A61K35/35 A61K35/39 A61K35/407 A61K35/44 A61K35/48 A61K35/50 A61K35/51 A61K35/545 A61K35/55 A61K38/00 A61K38/22 A61K38/44 A61K38/47 A61K39/00 A61K39/395 A61K45/00 A61K45/06 A61K47/46 A61K48/00 A61K9/00 A61K9/48 A61K9/50 A61L27/00 A61L31/00 A61N5/10 A61P1/00 A61P1/16 A61P1/18 A61P13/10 A61P13/12 A61P15/00 A61P17/00 A61P19/00 A61P19/04 A61P19/08 A61P21/00 A61P25/00 A61P25/02 A61P27/02 A61P3/00 A61P3/06 A61P3/08 A61P3/10 A61P31/00 A61P31/04 A61P31/10 A61P31/12 A61P35/00 A61P35/02 A61P37/00 A61P37/02 A61P37/04 A61P37/06 A61P39/02 A61P41/00 A61P43/00 A61P7/00 A61P7/04 A61P7/06 A61P7/08 A61P9/00 A61P9/04 A61P9/10 C07K1/00 C07K14/00 C12N1/00 C12N1/02 C12N15/00 C12N15/06 C12N15/08 C12N15/09 C12N15/113 C12N15/85 C12N15/87 C12N15/873 C12N5/00 C12N5/02 C12N5/06 C12N5/07 C12N5/071 C12N5/073 C12N5/074 C12N5/077 C12N5/0775 C12N5/078 C12N5/0789 C12N5/079 C12N5/0793 C12N5/0797 C12N5/08 C12N5/10 C12N5/16 C12Q1/02 C12Q1/04 C12Q1/68 G01F19/00 G01N33/48 G01N33/50 G1N33/569 (Advanced/Invention); A61K35/12 A61K35/28 A61K39/00 A61K48/00 A61L27/00 A61P37/06 C12N15/09 C12N5/00 C12N5/074 C12N5/0775 C12N5/10 C12Q1/02 C12Q1/68 (Advanced/Non-invention); A01K67/00 A01K67/027 A01N63/00 A61D19/00 A61K35/12 A61K35/14 A61K35/28 A61K35/30 A61K35/32 A61K35/34 A61K35/37 A61K35/44 A61K35/48 A61K39/00 A61K45/00 A61K47/46 A61K48/00 A61L27/00 A61L31/00 A61P1/00 A61P13/00 A61P15/00 A61P17/00 A61P19/00 A61P21/00 A61P25/00 A61P27/00 A61P3/00 A61P31/00 A61P35/00 A61P37/00 A61P39/00 A61P41/00 A61P43/00 A61P7/00 A61P9/00 C07K1/00 C07K14/00 C12N15/00 C12N15/09 C12N15/85 C12N15/87 C12N5/00 C12N5/02 C12N5/06 C12N5/074 C12N5/08 C12N5/10 C12Q1/02 C12Q1/68 G01F19/00 G01N33/48 G01N33/50 (Core/Invention); A61K35/12 A61K48/00 A61L27/00 (Core/Non-invention); A01N A61K A61P C12N G01N (Subclass/Invention)

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European class:

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US class:

424/278.1 424/278.100P 424/577 424/93.21 424/93.210P 424/93.7 424/93.700P 424/93.700S 424/94.6
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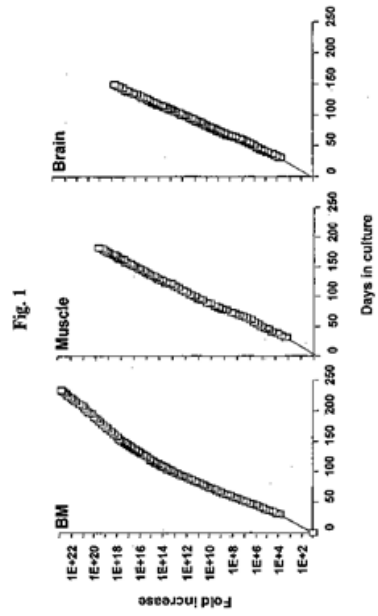
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Abstract:

Source: US2004107453A The present invention relates generally to mammalian multipotent adult stem cells (MASC), and more specifically to **methods** for obtaining, maintaining and differentiating MASC to cells of multiple tissue types. Uses of MASC in the therapeutic treatment of disease are also provided.



Title: Advanced containment system

Priority:

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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 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

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International class (IPC 1-7): B04B1/00 B09B1/00 B09B3/00 B09C1/08 B65D90/24 E02D19/12 E02D5/06 E02D5/08 E02D7/00 E21B23/00 F16L55/00 G01B7/16 G01L1/00 G01N27/00 G01N3/32 G01R19/00 G01R31/08 G01V3/00 G06F11/30 G21F5/00 G21F9/00 G21F9/06 G21F9/24 G21F9/34 H01R13/58

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European class: B09B1/00 B09C1/00B B23K11/00F B23K13/01 B23K15/00W B23K26/24A B23K5/00S B23K9/00D E02D19/06 E02D19/12 E02D19/18B E02D3/00B E02D31/00 E02D31/00B4 E02D5/08 E21D9/00D G01M3/18 G01M5/00E G01M5/00N G01M5/00R G01N27/20B G01V11/00B L23K201/12

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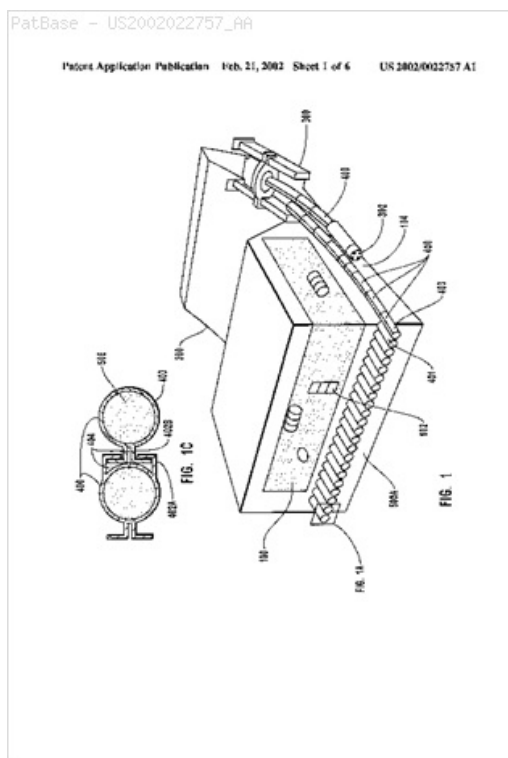
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Abstract:

Source: US2002022757A An advanced containment system for containing buried waste and associated leachate. A trench is dug on either side of the zone of interest containing the buried waste so as to accommodate a micro tunnel boring machine. A series of small diameter tunnels are serially excavated underneath the buried waste. The tunnels are excavated by the micro tunnel boring machine at a consistent depth and are substantially parallel to each other. As tunneling progresses, steel casing sections are connected end to end in the excavated portion of the tunnel so that a steel tube is formed. Each casing section has complementary interlocking structure running its length that interlocks with complementary interlocking structure on the adjacent casing section. Thus, once the first tube is emplaced, placement of subsequent tubes is facilitated by the complementary interlocking structure on the adjacent, previously placed, casing sections. Upon completion of the last tunnel, a series of parallel steel tubes has thus been emplaced underneath the buried waste. Because at least some of the casing sections include embedded sensors, both the casing sections and the zone of interest can be remotely monitored after the casings have been emplaced. Grout is then injected into each of the steel tubes and into the spaces created by the complementary interlocking structure of adjacent casings. The grout cooperates with the steel casing sections to form a substantially impermeable barrier that is chemically stable and impervious to chemical attack, thermal gradients, and changing geological conditions. Upon completion of the barrier, four vertical concrete walls are constructed, one wall being perpendicular to a corresponding edge of the barrier, and being adjacent thereto. The walls cooperate with the barrier to substantially contain the buried waste and associated leachate within the zone of interest.



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Probable Assignee: BIOSENSORS INT GROUP LTD

Assignee(s):(std): AMRAMI RONI ; ANTEBI UDI ; BEN DAVID GAL ; BEN HAIM SHIOMO ; BEN HAIM SHLOMO ; BEN HAIM SIMONA ; DICTERMAN ELI ; DICKMAN DALIA ; BOUSKILA YONA ; KIMCHY YOAV ; BRONSHITINE ZOHAR ; BERMAN DANIEL ; EINAV OMER ; GLUHOVSKY LEONID ; HAGLER MICHAEL ; DALIA DICKMAN ; BENNY ROUSSO ; DAVID GAL BEN ; TARGET CO LTD V ; TARGET LTD V ; TARGET TECHNOLOGIES LTD V ; SPECTRUM DYNAMICS LLC ; ROUSSO BENNY ; MOADDEB SHAHRAM ; RAVHON RAN ; SAYADA CHALOM B ; SIDORENKO NICK ; NAGLER MICHAEL ; SPECTRUM DYNAMICS ISRAEL LTD ; POPPER ZIV ; MELMAN HAIM ; ROTH NATHANIEL ; NIR Yael ; BIOSENSORS INT GROUP LTD ; BRONSHITINE ZOHAR ; BLOENSOR INT GROUP LTD ; SPECTRUM DYNAMICS ; OMER EINAV ; SHLOMO BEN HAIM ; MICHAEL NAGLER ; ZIV OMER ; VALLABHAJOSULA SHANKAR ; ZILBERSTEIN YOEL ; WEISSBERG NIR ; ZILBERSTIEN YOEL ; ZIV POPPER ; ZOHAR BRONSHITINE ; YOEL ZILBERSTEIN ; SAYADA CHALOM BRUNO ; VTARGET LTD

Assignee(s): V TARGET LTD ; V TARGET TECHNOLOGIES LTD ; YOAV KIMCHY ; YONA BOUSKILA ; V TARGET CO LTD ; RONI AMRAMI ; NICK SIDORENKO ; UDI ANTEBI ; TYLERTON INT INC ; SPECTRUM DYNAMICSP.O. BOX 202639120TIRAT HACARMELIL ; SPECTRUM DYNAMICS LLC30 RAMLAND ROAD SOUTHORANGBURGNY10962US ; MEDINVEST CAPITAL RL SA ; SPECTRUM DYNAMICS (ISRAEL) LTD ; V TARGET CO ; TYLERTON INT ; MEDINVEST CAPITAL SA RL ; SPECTRUM DYNAMICS LTD ; GAL BEN DAVID ; BIOSENSORS GROUP INT LTD

Inventor(s):(std): BEN HAIM SHIOMO ; ZIV OMER ; ZILBERSTIEN YOEL ; ZILBERSTEIN YOEL ; WEISSBERG NIR ; VALLABHAJOSULA SHANKAR ; SAYADA CHALOM B ; ROUSSO BENNY ; ROTH NATHANIEL ; RAVHON RAN ; POPPER ZIV ; OMER EINAV ; NIR Yael ; NAGLER MICHAEL ; MOADDEB SHAHRAM ; MICHAEL ROUSSO BENNY NAGLER ; MELMAN HAIM ; KIMCHY Y ; HAJ YAHYA SAJED ; GLUHOVSKY LEONID ; EINAV OMER ; DICKMAN DALIA ; DICTERMAN ELI ; DAVID GAL BEN ; BRONSHITINE ZOHAR ; BOUSKILA Y KIMCHY R AMRAMI Y ; BOUSKILA Y ; BERMAN DANIEL ; BEN HAIM SIMONA ; BEN HAIM SHLOMO ; AMRAMI RONI ; AMRAMI R ; AMRAMI RONI ; BRONSHITINE ZOHAR ; ZILBERSTEIN YOEL ; SIDORENKO NICK ; SAYADA CHALOM BRUNO ; BOUSKILA YONA ; BEN DAVID GAL ; ANTEBI UDI ; AMRAMI RONI ; KIMCHY YOAV ; HAGLER MICHAEL

Inventor(s): GAL BEN DAVID ; BEN HAIM SHLOMO LONDON ; SAYADA CHALOM ; RONI AMRAMI ; NICK SIDORENKO ; YONA BOUSKILA ; YOEL ZILBERSTEIN ; YOAV KIMCHY ; UDI ANTEBI ; DAVID GAL ; BENNY ROUSSO ; DALIA DICKMAN ; MICHAEL NAGLER ; R AMRAMI ; ROUSSO BENNY NAGLER MICHAEL ; SHLOMO BEN HAIM ; Y KIMCHY R AMRAMI Y BOUSKILA ; Y KIMCHY ; Y BOUSKILA ; BEN HAIM SHLOMOGB ; BRONSHITINE ZOHARIL ; DICKMAN DALIAIL ; EINAV OMERIL ; NAGLER MICHAELIL ; ROUSSO BENNYIL ; ZILBERSTIEN YOELIL ; ZOHAR BRONSHITINE ; ZIV POPPER

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; BULL HOUSSEY AND TUPPER LLP; MACHTALERE GEORGES; DENNEMEYER AND ASSOCIATES SA; FREEMAN AVI ET AL; BECK GREENER; SCHMITZ JEAN MARIE ET AL; FICHTER ROBERT ARNO ET AL; GE EHRICH 1995 LTD; G E EHRICH 1995 LTD C O ANTHONY CASTORINA; MARTIN MOYNIHAN, C/O ANTHONY CASTORINA; MARTIN MOYNIHAN C O ANTHONY CASTORINA; MARTIN MOYNIHAN, ANTHONY CASTORINA; MARTIN MOYNIHAN ANTHONY CASTORINA; WOLF BLOCK SHORR AND SOLIS-COHN LLP; WOLF BLOCK SHORR AND SOLIS COHN LLP; MARTIN D MOYNIHAN PRISI INC; MARTIN D MOYNIHAN PRISI; MARTIN D MOYNIHAN D B A PRISI INC; WILLIAM H DIPPET ECKERT SEAMANS CHERIN AND MELLOTT LLC; WOLF BLOCK SCHORR AND SOLIS COHN LLP; DIPPET WILLIAM H; WILLIAM H; ECKERT SEAMANS CHERIN AND MELLOTT LLC; ECKERT SEAMANS CHERIN AND MELLOTT LLC; GE EHRICH 1995 LTD ET AL; G E EHRICH 1995 LTD

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 LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI 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

**International class
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**International class
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705/3

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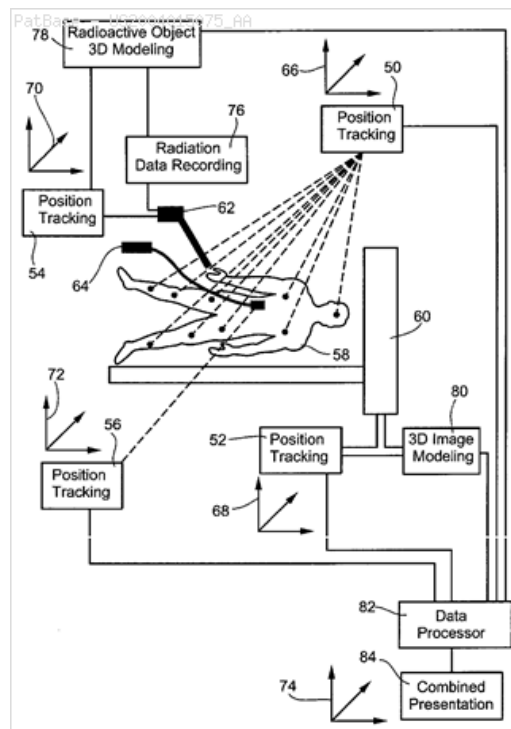
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Abstract:

Source: US2004015075A A system for calculating a position of a radioactivity emitting source in a system-of-coordinates, the system comprising (a) a radioactive emission detector; (b) a position tracking system being connected to and/or communicating with the radioactive emission detector; and (c) a data processor being designed and configured for receiving data inputs from the position tracking system and from the radioactive emission detector and for calculating the position of the radioactivity emitting source in the system-of-coordinates.



Title: MEDICAMENT VIAL HAVING A HEAT-SEALABLE CAP, AND APPARATUS AND METHOD FOR FILLING THE VIAL

Priority:

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Assignee(s): MEDICAL INSTILL TECHNOLOGIES INC STAMFORD ; MEDINSTILL DEVELOPMENT LLC ; MEDICAL INSTILL TECHNOLOGIES I ; PY PATENT INC ; MEDICAL INSTILL TECHNOLOGICS INC ; INSTILLATION MEDICAL TECHNOLOGIES INC ; INSTIVE MEDICAL TECHNOLOGY CO

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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

International class (IPC 8-9): A61B19/00 A61J1/00 A61J1/05 A61J1/14 A61J1/18 A61J1/20 A61J3/00 A61L2/03 A61L2/08 A61M5/32 B01L3/00 B01L3/14 B29C65/00 B29C65/16 B29C65/18 B29C67/00 B65B1/04 B65B1/20 B65B3/00 B65B3/02 B65B3/04 B65B3/06 B65B3/26 B65B5/10 B65B5/02 B65B5/04 B65B5/06 B65B5/08 B65B5/00 B65B5/02 B65B7/16 B65D1/00 B65D3/00 B65D39/00 B65D39/04 B65D41/20 B65D47/04 B65D47/36 B65D51/00 B65D51/02 B65D51/16 B65D51/18 B65D53/00 B65D65/02 B67C3/00 B67C7/00 C07K C09K3/10 (Advanced/Invention); A61J1/00 A61J1/14 A61J1/20 B29L31/00 B65B1/04 B65B39/00 B67C3/00 (Advanced/Non-invention); A61J1/00 A61J1/05 A61J1/14 B65B1/04 B65B3/00 B65D39/00 (Core/Invention); A61J B65B B65D B67B B67C (Subclass/Invention)

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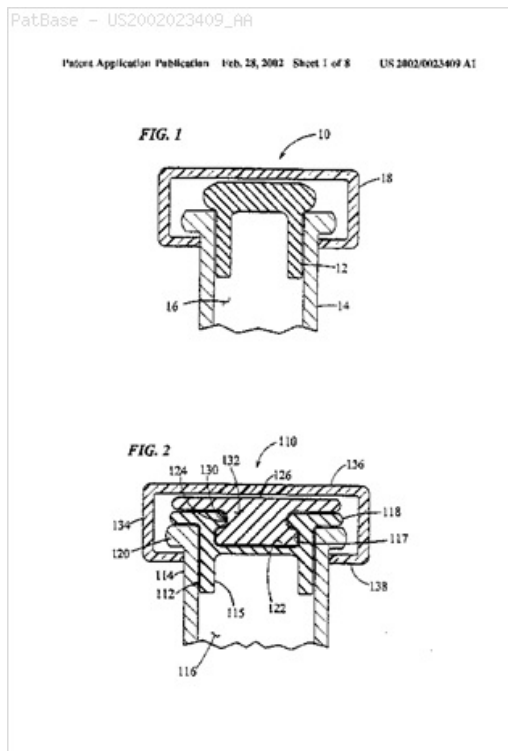
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JP2009534689, JP2009291640, JP2009149378, JP2007501302, JP2006518689, JP2006288524, JP2006288523, JP2006051052, FR2908759, ES2232269, EP3050586, EP3000461, EP2992869, EP2990031, EP2969774, EP2947019, EP2853503, EP2546152, EP2433871, EP2045193, EP2018332, EP2018332, EP2013081, EP2013081, EP2006213, EP1996467, EP1888424, EP1881931, EP1854748, EP1854748, EP1663787, EP1656305, EP1646491, EP1613543, EP1594749, EP1594749, CN105475802, CN105164016, CN105151344, CN104622689, CN104534130, CN104364165, CN104354295, CN103964052, CN103813811, CN103495521, CN102764719, CN102658887, CN102428006, CN102428006, CN102424126, CN102387827, CN101790420, CN101785578, AU2014233167, AU2006222941, AU2006222941, AU2003255458,

Abstract:

Source: US2002023409A A resealable cap for a medicament vial has a base portion formed of vulcanized rubber or like material known for providing a stable environment for the medicament contained within the vial, and a resealable portion overlying the base portion. The resealable portion is made of low-density polyethylene or like material, and can be punctured by a needle or like injection member for dispensing medicament into the vial. Prior to filling, the cap is assembled to the vial and the cap/vial assembly is sterilized. Then, a needle is inserted through the cap and medicament is introduced through the needle and into the vial. Upon withdrawal of the needle, the penetrated region of the cap is fused by laser or direct heat sealing to hermetically seal the needle hole in the cap.



Title: PROTECTING TRANSMISSIVE SURFACES

Priority: US19990455164 19991206 US20010988885 20011120 US20020134682 20020430
US20020191078 20020710 US20060503082 20060814

Family:

Publication number	Publication date	Application number	Application date
US2002159215 AA	20021031	US20020134682	20020430
US2002176809 AA	20021128	US20020191078	20020710
US2003007306 AA	20030109	US20010988885	20011120
US2006277069 AA	20061207	US20060503082	20060814
US6379427 BA	20020430	US19990455164	19991206

Probable Assignee: SIESS HAROLD EDWARD

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Inventor(s):(std): SIESS HAROLD E ; SIESS HAROLD EDWARD

Inventor(s): SIESS HAROLD

Agent(s): HAROLD E SIESS

International class (IPC 8-9): B03C3/00 B03C3/017 G06Q10/00 (Advanced/Invention)

International class (IPC 1-7): A62B7/08 B03C3/017 B03C3/41 B32B5/02 H01H1/00 H01T23/00

CPC: G06Q50/22 B03C3/00 B03C3/0175 B03C2201/14

European class: B03C3/00 B03C3/017B G06Q50/22

US class: 361/225 361/225S 361/226 361/230 361/230P 361/232 361/232P 422/120 422/120S 422/121 422/121P 422/123 422/123S 422/124 422/124S 55/385.2 705/2 705/2P 95/57 95/570 95/58 95/78 96/16 96/224 96/97 96/97S

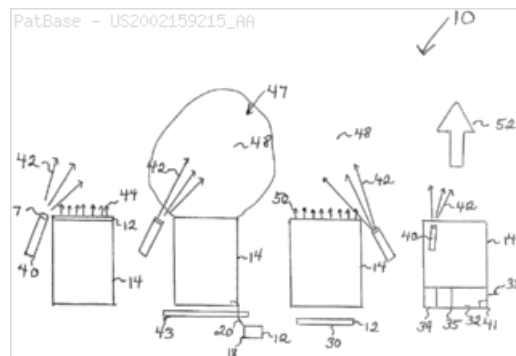
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Forward Citations: WO16024130, WO13045886, WO11010148, WO11010148, WO09045829, USRE41812, US9878061, US9795699, US9750830, US9724441, US9707307, US9308366, US9179703, US9034271, US8980178, US8861075, US8772744, US8633437, US8630322, US8618470, US8425658, US8300669, US8265110, US8132338, US8043573, US7984567, US7984566, US7976615, US7959869, US7935209, US7906080, US7897118, US7833322, US7767169, US7767165, US7724492, US7721997, US7716850, US7695690, US7694432, US7662348, US7638104, US7634996, US7604773, US7583710, US7553456, US7517505, US7517504, US7517503, US7405672, US7404935, US7371354, US7323065, US7318856, US7311762, US7291207, US7285155, US7278272, US7267303, US7237752, US7220295, US7156897, US7097695, US7077890, US7056370, US7052531, US6991532, US6989049, US6984987, US6984259, US6974560, US6972057, US6958134, US6953556, US6920874, US6919053, US6911593, US6911186, US6908501, US6896853, US6827088, US6749667, US6713026, US6709484, US6672315, US6632407, US6588434, US6585935, US6544485, US2016220715, US2014251925, US2011048108, US2010296971, US2009084126, US2008115384, US2007283951, US2007205382, US2007196235, US2007187626, US2006079168, US2005160906, US2005147545, US2005146712, US2005124286, US2005082160, US2005061344, US2005051027, US2005021243, US2005000793, US2004251909, US2004251124, US2004247482, US2004237787, US2004231696, US2004187681, US2004179981, US2004057882, US2004055632, US2004055620, US2004047775, US2004025694, US2004003721, US2003209420, US2003206839, US2003206837, US2003170150, US2003147784, US2003147783, US2003072697, US2003040243, US2002134665, US2002098131, US2001048906, RU2611903, RU2547442, KR101354332, JP6114283, JP2014531270, GB2505789, GB2505789, GB2492862, GB2492862, DE102009042113, CN104697958, CN103957830, CN103957830, CN102470009, CN102470009, AU2012314124,

Abstract:

Source: US2002159215A The present invention provides for an apparatus for protecting transmissive surfaces from infectious airborne agents. The apparatus comprises a means for providing and directing a sterile flow of charged breathable gas in the form of an electrohydrodynamic flow over a transmissive surface; and means for influencing the movement of said electrohydrodynamic flow for protecting said transmissive surface.



Title: FLOW CYTOMETER SHUNT

Priority: US20010308628P 20010730 US20010852876 20010510 US20020131361 20020424 US20070826452 20070716 US20040003562 20041202 US20030450450P 20030226 WO2002US23892 20020729 WO2003US12993 20030424 US20010800823 20010307 US20020190874 20020708 US20010918078 20010730 US20080219139 20080716 US20050224496 20050912 US20040836686 20040430 WO2002US23780 20020729 WO2003US23861 20030730 US20010850250 20010507 US20020208288 20020730 US20010918076 20010730 WO2002US06794 20020306 US20040787279 20040226 US20120346932 20120110 WO2002US14214 20020506 WO2005US13595 20050421

Family:

Publication number	Publication date	Application number	Application date
AU2002252207 AA	20020924	AU20020252207	20020306
AU2002303635 AA	20021118	AU20020303635	20020506
AU2002322706 AA	20030217	AU20020322706	20020729
AU2002330922 AA	20030217	AU20020330922	20020729
AU2003247355 AA	20031110	AU20030247355	20030424
AU2003247355 AH	20031110	AU20030247355	20030424
AU2003263831 AA	20040216	AU20030263831	20030730
AU2003263831 AH	20040216	AU20030263831	20030730
CA2554013 AA	20060731	CA20052554013	20050421
EP1496802 A2	20050119	EP20030747333	20030424
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EP1740259 A2	20070110	EP20050737739	20050421
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US2003036718 AA	20030220	US20010918076	20010730
US2003060695 AA	20030327	US20020208288	20020730
US2004005297 AA	20040108	US20020190874	20020708
US2004191246 AA	20040930	US20040787279	20040226
US2004225326 AA	20041111	US20040836686	20040430
US2005095229 AA	20050505	US20040003562	20041202
US2005221270 AA	20051006	US20020131361	20020424
US2006094112 AA	20060504	US20050224496	20050912
US2007276208 AA	20071129	US20070826452	20070716
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US2012179143 AA	20120712	US20120346932	20120110
US6488704 BA	20021203	US20010850250	20010507
US6743190 BB	20040601	US20010918078	20010730
US6750055 BA	20040615	US20010800823	20010307
US6793642 BB	20040921	US20010918076	20010730
US6995013 BB	20060207	US20020190874	20020708
US7244232 BB	20070717	US20020131361	20020424
US8105793 BB	20120131	US20080219139	20080716
US8507212 BB	20130813	US20120346932	20120110
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WO04010953 A3	20040624	WO2003US23861	20030730
WO04075855 A2	20040910	WO2004US05688	20040226
WO04075855 A3	20090205	WO2004US05688	20040226
WO05110526 A2	20051124	WO2005US13595	20050421
WO05110526 A3	20090416	WO2005US13595	20050421

Probable Assignee: CELLTRAFFIX INC

Assignee(s):(std): BIOMED SOLUTIONS L L C ; BIOMED SOLUTIONS LLC ; BIOPHAN LLC ; GEBERT CAROL ; CONNOLLY PATRICK R ; FOSTER THOMAS H ; CONNELLY PATRICK R ; CUSTER ANDREW W ; CONNELLY PATRICK ; BIOPHAN TECHNOLOGIES INC ; CONNELLY PATRICK ; BABALOLA OMOTUNDE ; MACDONALD STUART G ; GRAY ROBERT W ; WEINER MICHAEL L ; HELFER JEFFREY L ; KIM MICHAEL B ; WEINER MIKE L

Assignee(s): IROQUOIS MASTER FUND LTD ; ELECTROHEALING HOLDINGS INC ; CELLTRAFFIX INC ; BABALOLA OMOTUNDE M ; BIOPHAN LLC SUITE

Inventor(s):(std): FOSTER THOMAS H ; GEBERT CAROL ; GRAY ROBERT W ; HELFER JEFFREY L ; KIM MICHAEL B ; MACDONALD STUART G ; MICHAEL L WEINER ; PATRICK R CONNELLY ; THOMAS H FOSTER ; ANDREW W CUSTER ; BABALOLA OMOTUNDE ; CONNELLY PATRICK ; CONNELLY PATRICK R ; CONNELLY PATRICK ; CONNOLLY PATRICK R ; CUSTER ANDREW W ; WEINER MICHAEL L ; WEINER MIKE L ; BABALOLA OMOTUNDE M

Inventor(s): FOSTER THOMAS ; CUSTER ANDREW ; WEINER MICHAEL

Agent(s): SIM AND MCBURNEY; HOWARD J GREENWALD PC; BUCHANAN INGERSOLL PC, (INCLUDING BURNS DOANE SWECKER AND MATHIS); BUCHANAN INGERSOLL PC INCLUDING BURNS DOANE SWECKER AND MATHIS; BUCHANAN INGERSOLL AND ROONEY PC; HOWARD J; HISCOCK AND BARCLAY LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC 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 SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class A61B18/18 A61B18/20 A61B5/00 A61B5/02 A61B5/1455 A61F2/00 A61F2/02 A61F2/06 A61F2/82

(IPC 8-9): A61K39/395 A61K45/00 A61K49/00 A61L27/34 A61L27/38 A61M1/36 A61N1/00 A61P3/10 C12M1/34 C12M1/36 C12M1/38 C12M3/00 C12N11/02 C12N11/08 C12N5/00 C12N5/02 C12N5/06 C12N5/08 C12Q1/00 C12Q1/68 G01N15/10 G01N15/14 G01N21/00 G01N3/00 G01N31/22 G01N33/53 G01N33/543 G01N33/544 G01N33/551 G01N33/567 G01N33/569 G01N33/574 G01N33/58 (Advanced/Invention); A61B18/20 A61B5/07 A61B8/12 A61M1/38 G01N15/10 G01N15/14 (Advanced/Non-invention); A61B5/00 A61B5/145 A61F2/00 A61K39/395 A61K49/00 A61L27/00 A61P3/00 C12M1/34 C12M1/36 C12M3/00 C12N11/00 C12N5/02 C12N5/06 C12N5/08 C12Q1/00 C12Q1/68 G01N21/00 G01N3/00 G01N31/22 G01N33/53 G01N33/543 G01N33/544 G01N33/551 G01N33/567 G01N33/569 G01N33/574 G01N33/58 (Core/Invention); A61B18/20 (Core/Non-invention); A61K (Subclass/Invention)

International class
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European class: A61B5/00B A61B5/00B8 A61B5/00B9 A61B5/00P12B A61B5/00P12B2 A61B5/00P5 A61B5/145 A61B5/1455N10 A61B5/1459 A61B5/145B A61B5/145G A61B5/145P A61B5/14B8 A61B5/153 A61B5/155 A61B5/15B2D A61B5/41J2 A61B5/41J6 A61B5/48J2 A61B5/68D1L A61B5/68D2H A61F2/06S A61F2/82 A61K49/00H A61K49/00P12 A61K49/00P12C12 A61K49/00P4 A61K49/00P4F A61K49/00P4F4P4 A61L27/36B14 A61L27/38F2 A61L27/38H A61L27/50 A61M1/36C C07K16/00 G01N15/10 G01N15/14G G01N33/569H G01N33/574 G01N33/58 K61B18/20 K61B5/00B9 K61B5/00P5 K61B5/07D K61B5/1455N10 K61B5/145J K61B5/14B K61B562/12 K61B8/12 K61F250/00D2 K61M1/36P K61M1/36S K61M1/38 S01N15/10B S01N15/14T

US class: 42/24.4 422/44 422/73 422/73S 424/140.1 424/140.100P 424/423 424/423S 424/9.6 424/93.7 424/93.700P 43/66.3 435/177 435/180 435/283.1 435/288.5 435/289.1 435/325 435/366 435/366S 435/395 435/395P 435/4 435/4P 435/69.1 435/69.100S 435/7.1 435/7.100S 435/7.2 435/7.21 435/7.23 435/7.24 435/7.25 435/725 436/518 436/519 436/524 436/525 436/527 436/528 436/531 436/63 436/63P 60/4.401 60/4.615 600/309 600/309P 600/309S 600/310 600/317 600/322 600/341 600/365 600/365P 604/265 604/4.01 604/5.01 604/5.010P 604/540 604/540P 604/6.1 604/6.15 604/61 604/891.1 604/891.100S 607/2 607/2P 623/1.15

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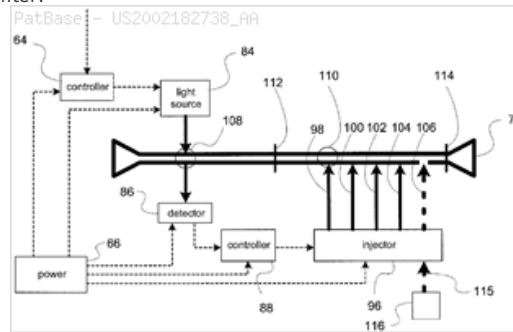
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Abstract:

Source: US2002182738A A flow cytometer containing a device for sampling cellular material within a body. The flow cytometer is adapted to mark cells within bodily fluid with a marker to produce marked cells, to analyze the marked cells, to sort the cells within the bodily fluid to produce sorted cells, to maintain the sorted cells in a viable state, and to remove the marker from the marked cells. Two marker removal devices are used in the flow cytometer.



Title: DEVICES, METHODS, AND SYSTEMS INVOLVING CAST COLLIMATORS

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Probable Assignee: MIKRO SYSTEMS INC**Assignee(s):(std):** APPLEBY MICHAEL ; APPLEBY MICHAEL P ; ATKINSON JAMES E ; FRASER IAIN ; MIKRO SYSTEMS INC ; TECOMET INC**Assignee(s):** MIKRO SYSTEMS INC CHARLOTTESVILLE ; FRASTER LAIN ; GCI CAPITAL MARKETS LLC ADMINISTRATIVE AGENT AS ; CIT HEALTHCARE LLC AGENT AS ; CIT HEALTHCARE LLC AS AGENT**Inventor(s):(std):** APPLEBY MICHAEL ; APPLEBY MICHAEL P ; ATKINSON JAMES E ; FRASER IAIN ; FRASTER LAIN ; KLINGER JILL E ; RANDOLPH WILLIAM T**Inventor(s):** FRASER IAIN RUCKERSVILLE ; ATKINSON JAMES E CHARLOTTESVILLE ; APPLEBY MICHAEL P CHARLOTTESVILLE ; ATKINSON JAMES**Agent(s):** KIRBY EADES GALE BAKER; CABINET CHAILLOT; ASQUITH JULIAN PETER; MICHAEL N HAYNES; MICHAEL HAYNES PLC; MICHAEL N; HAYNES MICHAEL N; JENSEN DALE R; DALE R; BAKER AND HOSTETLER LLP**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE 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

International class (IPC 8-9): A61B6/00 A61B6/03 B22C9/00 B22D19/00 B22D23/00 B22D29/00 B23P15/24 B28B21/42 B28B7/20 B28B7/24 B28B7/28 B29C33/00 B29C33/12 B29C33/30 B29C33/38 B29C33/40 B29C33/42 B29C33/44 B29C39/02 B29C39/10 B29C39/34 B29C69/00 F21V11/14 G01J1/42 G01T1/20 G01T1/24 G01T7/00 G02B5/00 G03F7/00 G21K1/00 G21K1/02 G21K1/10 H01J5/18 (Advanced/Invention); B29C33/42 B29C47/00 B29C67/00 B29K83/00 B29L31/00 (Advanced/Non-invention); B28B21/00 B29C33/38 B29C39/02 B29C39/34 B29C69/00 G02B5/00 G21K1/00 G21K1/02 (Core/Invention); B29C33/42 B29C67/00 (Core/Non-invention)

International class (IPC 1-7): B29B13/00 B29C33/38 B29C33/40 B29C39/10 B29C39/34 F21V11/14 G21K1/00 G21K1/02

CPC: B23P15/246 B29L2031/756 G03F7/0017 A61B6/4258 Y10T428/31 B29C33/0088 G01T7/00 B29C33/44

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US class: 1/1 156/245 164/129 164/131 164/131S 164/6 164/6S 249/117 249/117S 249/119 249/119P 249/134 249/135 249/156 249/156S 249/175 249/175S 249/187.1 249/187.100S 249/83 249/83P 249/83S 250/361.00RP 250/361R 250/366 250/370.01 250/370.010S 250/393 250/394 250/394S 250/505.1 250/505.100P 250/505.100S 264/219 264/219S 264/220 264/220P 264/271.1 264/271.100S 264/318 264/318P 264/318S 264/319 264/334 378/147 378/147P 378/147S 378/149 378/154 378/154S 378/155 378/62 425/470 428/409 428/409P

[Classification Explorer](#)

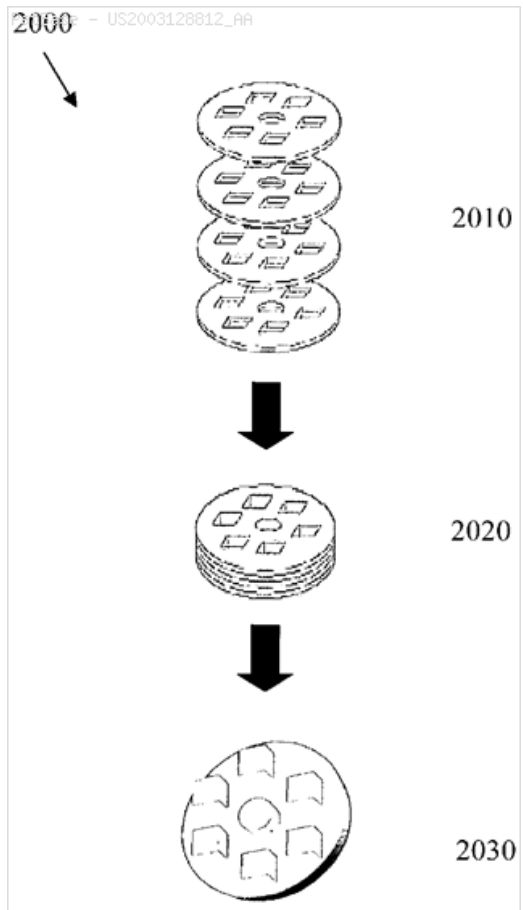
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Abstract:

Source: US2003128812A Certain exemplary embodiments of the present invention comprise a cast collimator descended from a stack lamination mold, said mold comprising a plurality of metallic foils. Certain embodiments of the present invention comprise a **method** comprising filling a mold having a stacked plurality of micro-**machined** metallic foil layers with a first casting material to form a first cast product; demolding the first cast product from the mold; filling the first cast product with a second casting material to form a cast collimator; and demolding the cast collimator from the first cast product. It is emphasized that this abstract is provided to comply with the rules requiring an abstract that will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. This abstract is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b).



Title:	ELECTRONIC SENSING OF CHEMICAL AND BIOLOGICAL AGENTS USING FUNCTIONALIZED NANOSTRUCTURES			
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Designated states:	AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 LJ LK LR LS LT LU LV LY MA MC MD ME MG MK ML 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
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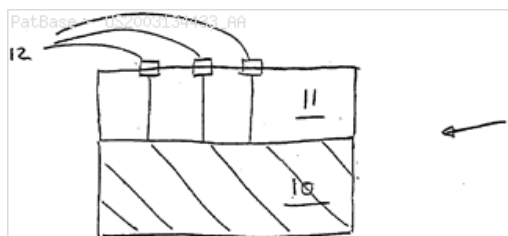
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Abstract:

Source: US2003134433A This invention provides for an apparatus and a **method** for detecting the presence of pathogenic agents with sensors containing functionalized nanostructures integrated into circuits on silicon chips. The nanostructures are functionalized with molecular transducers that recognize and bind targeted analytes which are diagnostic of the pathogenic agent of interest. The molecular transducer includes a receptor portion, which binds the analyte, and an anchor portion that attaches to the nanostructure. Upon binding of the analyte, a change in molecular configuration represented by the newly formed receptor-analyte complex creates a force that is transmitted to the nanostructure via the anchor portion of the transducer. The effect of the force transmitted to the nanostructure is to alter its conductivity. The change in conductivity of the nanotube thus represents a signal that indicates the presence of the pathogenic agent of interest.



Title: TUBULAR SOLID OXIDE FUEL CELL STACK

Priority: EP20030724727 20030523 US20020053241 20020116 US20030504624 20030214
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Family:

Publication number	Publication date	Application number	Application date
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM 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

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US class: 264/618 264/618S 264/619 264/632 427/115 427/115S 427/155 429/12 429/19 429/2 429/20 429/3 429/31 429/32 429/33 429/34 429/38 429/423 429/423P 429/44 429/45 429/452 429/452P 429/454 429/454P 429/456 429/465 429/466 429/466P 429/466S 429/467 429/468 429/469 429/469S 429/486 429/486P 429/491 429/495 429/495S 429/496 429/496S 429/497 429/497S 429/535 429/535S 502/101 502/101S 96/10 96/10S

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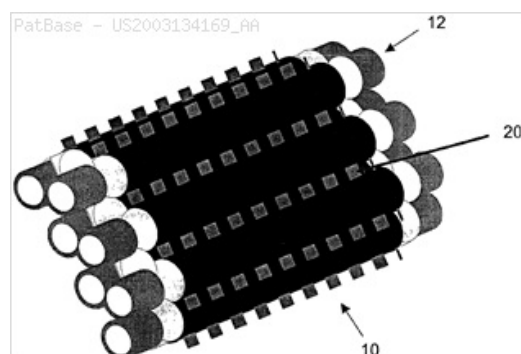
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Forward Citations: WO17097423, WO14128292, WO13064772, WO13054044, WO13028798, WO12145531, WO12145531, WO12040054, WO12040054, WO11030625, WO11019796, WO11005426, WO10151502, WO10083528, WO10083528, WO10077873, WO10077873, WO10061854, WO10055111, WO10037755, WO10037670, WO09051269, WO09029190, WO09014645, WO09010840, WO09010840, WO08154984, WO08143555, WO08137964, WO08083788, WO08076231, WO08066941, WO08047322, WO08047322, WO08038293, WO08038293, WO07088480, WO07088480, WO07075366, WO07075366, WO07054793, WO07025762, WO07025762, WO06113491, WO06091960, WO06091960, WO06083037, WO06063163, WO06063163, WO06044313, WO06044313, WO05038973, WO04012287, WO04012287, WO03100881, WO03100881, US9899705, US9893387, US9882226, US9875987, US9859582, US9847183, US9793551, US9680157, US9664459, US9577284, US9541001, US9493883, US9478809, US9455464, US9450265, US9350037, US9343758, US9325024, US9269971, US9263758, US9252448, US9243335, US9219271, US9216390,

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Abstract:

Source: US2003134169A This invention relates to a fuel cell sub-stack comprising a plurality of tubular fuel cells, and a solid-state matrix in which the fuel cells are embedded. Each fuel cell comprises an inner electrode layer, an outer electrode layer, and an electrolyte layer sandwiched between the inner and outer electrode layers. The matrix is electronic or mixed (electronic and ionic) conductive, porous enough for a first reactant to flow through the matrix and to the outer electrode of each fuel cell, and strong enough to support the fuel cells in the stack. The fuel cells are embedded such that a second reactant may be flowed through the inside of each tubular fuel cell and to the inner electrode thereof. The sub-stack may be combined with other sub-stacks to form a fuel cell stack.



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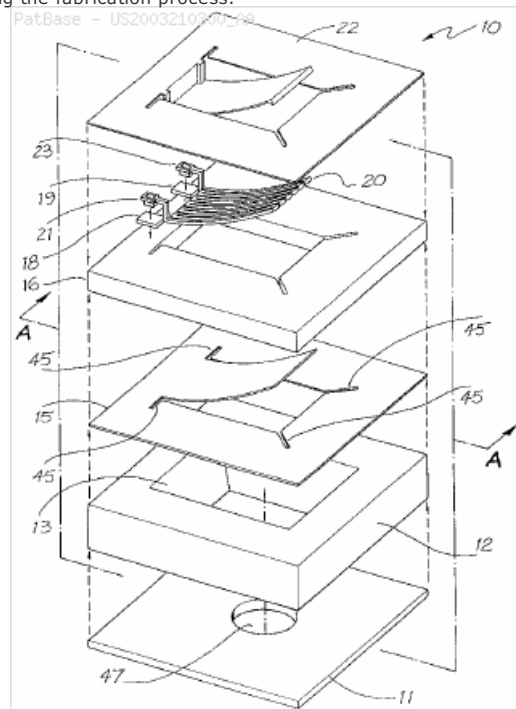
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Abstract:

Source: US2003210300A An inkjet drop ejection apparatus with a chamber, an actuator, and a nozzle, where drops of ink are ejected through the nozzle, and where the chamber comprises a hollow structure formed on a semiconductor substrate. The chamber is partly formed of the same material as the actuator, simplifying the fabrication process.



Title:	DEVICES AND METHODS FOR HEART VALVE REPAIR					
Priority:	AU20040271987	20040901	AU20100257360	20101221	CA20042536412	20040901
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Family:	Publication number	Publication date	Application number	Application date
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Assignee(s): EMPOWERMENT REINVESTMENT FUND XX LLC ; AMCREF FUND XI LLC ; UNITED NATIONAL BANK ; MEREDIAN INC ; MEREDIAN NCF SUB CDE LLC ; GUIDED DELIVERY SYSTEMS INC SANTA CLARA ; GUIDED DELIVERY SYSTEM INC

Inventor(s):(std): CEARLEY ANGELLA ; CEARLEY ANGELLA C ; CEARLEY ANGELLA CHRISTINE ; CALHOUN TENNY ; KINOSHITA KOICHI ; NARASIMHAN KARUNAKARAN ; NODA ISAO ; OSAKADA FUMIO ; TANG BRIAN ; TO JOHN ; YASUYOSHI UEDA ; YEE KENNETH ; WEI MICHAEL ; STARKSEN NIEL F ; STARKSEN NIEL ; UEDA YASUYOSHI ; WEI MICHAEL F ; PLIAM NATHAN B ; MORALES RODOLFO A ; MORALES RODOLFO ; KOICHI KINOSHITA ; KENNETH YEE ; KARUNAKARAN NARASIMHAN ; ISAO NODA ; IM KARL S ; FUMIO OSAKADA ; FABRO MARIEL ; CALHOUN TENNY C ; ANGELLA CHRISTINE CEARLEY

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Agent(s): FB RICE PTY LTD; FB RICE; BORDEN LADNER GERVAIS LLP; RICHES MCKENZIE AND HERBERT LLP; LORENZ SEIDLER GOSSEL RECHTSANWAELTE PATENTANWAELTE PARTNERSCHAFT MB&B; COOLEY UK LLP; PRICE NIGEL JOHN KING; BEHNISCH WERNER; ISARPATENT; YASUTOMI YASUO; AKIYAMA FUMIO; TOWNSEND AND TOWNSEND AND CREW LLP; HAYNES BEFFEL AND WOLFELD LLP; MORRISON AND FOERSTER LLP; KENYON AND KENYON; KENYON AND KENYON LLP; COOLEY LLP

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

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International class (IPC 1-7): A61B17/04 A61B17/06 A61B17/08 A61B17/10 A61B17/12 A61B19/00 A61F2/24 A61M1/00 C08F6/00 C08G63/88

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US class: 1/1 128/898 128/898S 227/175.1 227/175.100S 227/176.1 426/623 426/635 528/191 528/480 528/495 528/499 600/104 600/37 600/37P 600/462 600/585 604/164.01 604/164.13 604/27 604/28 604/48 604/500 604/506 604/507 604/508 604/510 604/510P 604/93.01 606/139 606/139P 606/139S 606/142 606/142P 606/143 606/143P 606/144 606/148 606/151 606/151P 606/151S 606/153 606/153P 606/205 606/205P 606/219 606/219P 606/219S 606/228 606/228P 606/232 606/232P 606/232S 623/1.11 623/1.110P 623/2.11 623/2.110P 623/2.36 623/2.360P 623/2.360S 623/2.37 623/2.370P 623/2.38 623/2.380S

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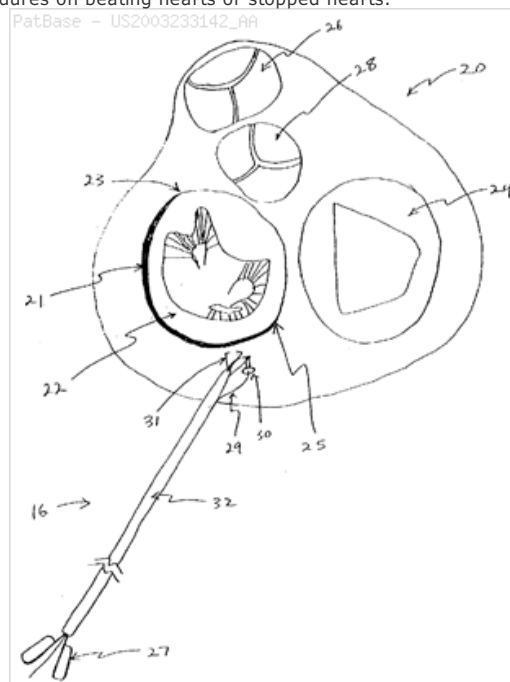
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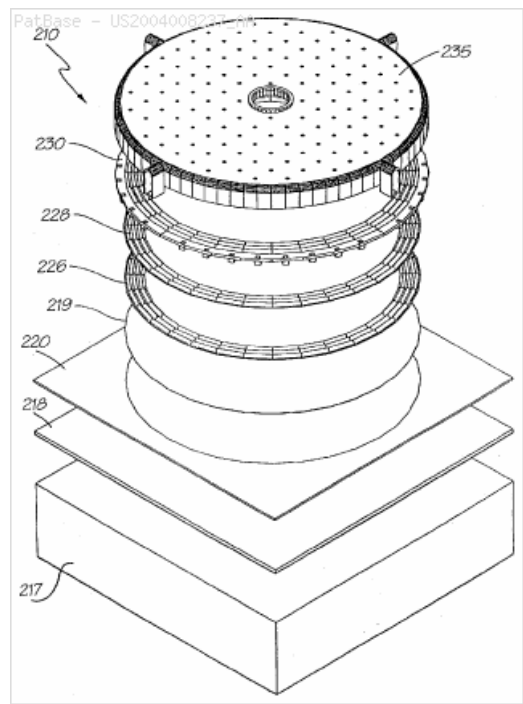
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Abstract:

Source: US2003233142A **Methods** and devices provide constriction of a heart valve annulus to treat cardiac valve regurgitation and other conditions. Embodiments typically include a device for attaching a cinching or tightening apparatus to a heart valve annulus to reduce the circumference of the annulus, thus reducing valve regurgitation. Tightening devices may include multiple tethered clips, multiple untethered crimping clips, stabilizing devices, visualization devices, and the like. In one embodiment, a plurality of tethered clips is secured circumferentially to a valve annulus, and the tether coupling the clips is cinched to reduce the circumference of at least a portion of the annulus. **Methods** and devices may be used in open heart surgical procedures, minimally invasive procedures, catheter-based procedures, and/or procedures on beating hearts or stopped hearts.



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Probable Assignee:	MEMJET TECHNOLOGY LTD																				
Assignee(s):(std):	SILVERBROOK RES PTY LTD																				
Assignee(s):	SILVERBROOK RESEARCH PTY LTD ; ZAMTEC LTD ; MEMJET TECHNOLOGY LTD ; SILVERBROOK KIA																				
Inventor(s):(std):	SILVERBROOK KIA																				
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Title: CERAMIC EXHAUST FILTER

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Probable Assignee: GEO2 TECHNOLOGIES INC

Assignee(s):(std): DICHIAIRA ROBERT A JR ; GE02 TECHNOLOGIES INC ; LACHENAUER ROBERT G ; LUI JAMES JENQ ; LIU JAMES JENQ ; GORDON TIMOTHY ; MARSHALL JAMES ; GEOZ TECHNOLOGIES INC ; GE02 TECHNOLOGIES INC ; DUTTA BIPRODAS ; GE02 TECH INC ; ZUBERI BILAL ; PILLAI SUNILKUMAR C ; PILLAI SUNIKUMAR C ; WEINSTEIN JERRY G ; WEINSTEIN JERRY C ; ALWARD GORDON S ; CARTY WILLIAM M ; CARTY WILLIM M ; DAHL RACHEL A ; DICHIAIRA JR ROBERT A ; DICHIAIRA ROBERT A ; HCT INVESTMENTS INC

Assignee(s): HCT I NV

Inventor(s):(std): ALWARD GORDON S ; ALWARD GORDON S DICHIAIRA ROBER ; DAHL RACHEL A ; DICHIAIRA JR ROBERT A ; DICHIAIRA ROBERT A ; DICHIAIRA ROBERT A JR ; DUTTA BIPRODAS ; LACHENAUER ROBERT G ; LIU JAMES JENG ; WEINSTEIN JERRY G ; ZUBERI BILAL ; BILAL ZUBERI ; WILLIAM M CARTY ; WEINSTEIN JERRY C ; JENQ LUI JAMES ; JENQ LIU JAMES ; GORDON TIMOTHY ; CARTY WILLIM M ; ALWARD GORDON ; BIPRODAS DUTTA ; PILLAI SUNIKUMAR C ; PELL S C ; LASHYNAWILLE R G ; KARTY W M ; JAMES JENQ LIU ; DUTA B ; CARTY WILLIAM M ; PILLAI SUNILKUMAR C ; MARSHALL JAMES ; LUI JAMES JENQ ; MARSHALL JAMES M ; LIU JAMES JENQ

Inventor(s): RACHEL A DAHL ; LACHENAUER ROBERT ; WEINSTEIN JERRY ; B DUTA ; WILLAIM M CARTY ; ROBERT A JR DICHIAIRA ; W M KARTY ; SUNILKUMAR C PILLAI ; S C PELL I ; ROBERT G LACHENAUER ; R G LASHYNAWILLE ; PILLAI SUNILKUMAR ; LUI JAMES ; PILLAI SUNIKUMAR ; LIU JAMES ; GORDON S ALWARD ; JR ROBERT A ; DICHIAIRA ROBERT AJR ; DICHIAIRA ROBERT ; DICHIAIRA ; ALWARD GORDON S DICHIAIRA ROBERT A JR ; CARTY WILLIAM ; DAHL RACHEL

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; VIERING JENTSCHURA AND PARTNER; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP; STERNE KESSLER GOLDSTEIN AND FOX PLLC; BINGHAM MCHALE LLP; GEO2 TECHNOLOGIES; ODEA ARTHUR J; O DEA ARTHUR J

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 MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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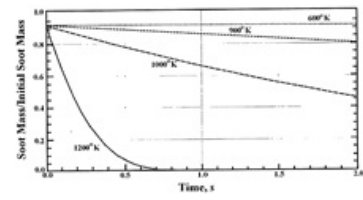
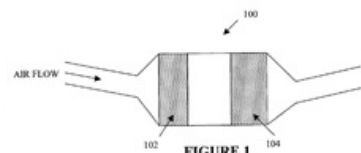
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Abstract:

Source: US2004079060A An improved, efficient, and regenerable exhaust emission **filter** and **filter** system are provided which incorporate the use of an inorganic, non-woven fiber **filter** element. The **filter** is able to capture exhaust pollutants and particulates through the interwoven nature of the **filter** element and due to area enhancements applied to the **filter** element including microscopic enhancements. The **filter** has an improved life and is able to combust a greater percentage of trapped particulates due to the high temperatures the **filter** element can withstand. The **filter** element if formed from a non-woven fiber block which is **machined** or shaped into a **filter** foundation. The **filter** element can have a multitude of coatings and catalysts applied and can be wrapped in insulation and a casing. The improved exhaust emission **filter** is particularly useful for diesel engine exhausts.



Title:

ANHYDROUS PROCESSING OF METHANE INTO METHANE-SULFONIC ACID, METHANOL, AND OTHER COMPOUNDS

Priority:

EP20030778140 20031105 US20020424091P 20021105 US20030480183P 20030621
US20070873402 20071016 US20040873361 20040621 WO2003US35396 20031105
US20040562675P 20040415 WO2004US19977 20040621 WO2004US36831 20041105

Family:

Publication number	Publication date	Application number	Application date
AU2003286923 AA	20040607	AU20030286923	20031105
AU2004287874 AA	20050519	AU20040287874	20041105
CA2504707 AA	20050502	CA20032504707	20031105
CA2586326 AA	20070503	CA20042586326	20041105
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WO05069751 A3	20060921	WO2004US19977	20040621

Probable Assignee:

ALAN RICHARDS

Assignee(s):(std):

METHION LTD ; RICHARDS ALAN ; RICHARDS ALAN K ; ALAN RICHARDS

Assignee(s):

METHINO LTD ; ALAN K RICHARDS ; VEOLIA NORTH AMERICA REGENERATION SERVICES LLC

Inventor(s):(std):

ALAN K RICHARDS ; RICHARDS ALAN K

Inventor(s):

MR RICHARDS ALAN K ; RICHARDS ALAN

Agent(s):

DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; ETTMAYR ANDREAS; CURELL MIREIA; PATRICK D KELLY; PATRICK D

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

International class (IPC 8-9):

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International class (IPC 1-7):

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CPC:

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European class:

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US class:

422/149 422/149S 518/700 518/700P 518/709 518/709S 558/44 558/44P 562/123 568/698

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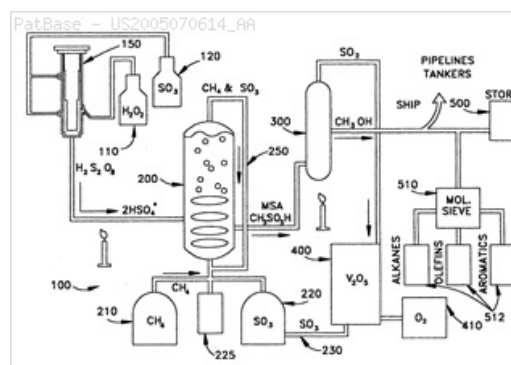
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Abstract:

Source: US2005070614A Anhydrous processing to convert methane into oxygenates (such as methanol), liquid fuels, or olefins uses an initiator to create methyl radicals. These radicals combine with sulfur trioxide to form methyl-sulfonate radicals. These radicals attack fresh methane, forming stable methane-sulfonic acid (MSA) while creating new methyl radicals to sustain a chain reaction. This system avoids the use or creation of water, and liquid MSA is an amphoteric solvent that increasing the solubility

and reactivity of methane and SO₃. MSA from this process can be sold or used as a valuable chemical with no mercaptan or halogen impurities, or it can be heated and cracked to release methanol (a clean fuel, gasoline additive, and chemical feedstock) and sulfur dioxide (which can be oxidized to SO₃ and **recycled** back into the reactor). MSA also can be converted into gasoline, olefins, or other valuable chemicals.



Title: GALLIUM NITRIDE CRYSTAL AND METHOD OF MAKING SAME

Priority: CN200780049549 20071109 EP20030800171 20031222 JP20040565702 20031222
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 US20060376575 20060315 JP20090536327 20071109 JP20090536327T 20071109
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 US20070621556 20070109 US20070621560 20070109 WO2007US23694 20071109
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Family:	Publication number	Publication date	Application number	Application date
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Probable Assignee: SORAA INC

Assignee(s):(std): GEN ELECTRIC ; D EVELYN MARK PHILLIP ; HONG HUICONG ; GENERAL ELECTRIC CO ; D EVELYN MARK PHILIP ; D EVELYN MARK P ; HUICONG HONG ; ARTHUR STEPHEN D ; ARTHUR STEPHEN DALEY ; EVERS NICOLE ANDREA ; FEDISON JEFFREY BERNARD ; CAO XIAN AN ; PARK DONG SIL ; LEBOEUF STEVEN FRANCIS ; ROWLAND LARRY BURTON ; NARANG KRISTI JEAN ; SANDVIK PETER MICAH ; LEBOEUF STEVEN F ; NARANG KRISTI J ; SANDVIK PETER M ; ROWLAND LARRY B ; MOMENTIVE PERFORMANCE INC ; MOMENTIVE PERFORMANCE MAT INC ; SCHLUMBERGER TECHNOLOGY CORP ; MOMENTIVE PERFORMANCE MAT I ; ORBAN JACQUES ; TRUSHIN ALEXANDER S ; MOMENTIF PERFORMANCE MATERIAL ; MOMENTIVE PERFORMANCE MATERIALS INC ; SORAA INC ; TUCKER JESSE BERKLEY ; ZHANG AN PING ; ZENG LARRY QIANG

Assignee(s): SLT TECHNOLOGIES INC ; MOMENTIVE PERFORMANCE MATERIALS INC US ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; MOMENTIVE PERFORMANCE MATERIALS ; MOMENTIF PERFORMANCE MATERIAL CO LTD ; MOMENTIVE PERFORMANCE MAT INC US ; JPMORGAN CHASE BANK NA AS ADMINISTRATIVE AGENT ; MOMENTIF PERFORMANCE MATERIAL CO ; MOMENTIVE PERFORMANCE MATERIALS INC ; BOKF NA SUCCESSOR COLLATERAL AGENT AS ; BANK OF NEW YORK MELLON TRUST CO ; BANK OF NEW YORK MELLON TRUST CO NA ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL AGENT AS ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL TRU ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL TRUSTEE AS ; JPMORGAN CHASE BANK NA

Inventor(s):(std): D EVELYN MARK P ; D EVELYN MARK PHILIP ; D EVELYN MARK PHILLIP ; ARTHUR STEPHEN D ; ARTHUR STEPHEN DALEY ; D EVELYN MARK PHILLIP PARK DONG SIL LEBOEUF STEVEN ; DONG SIL PARK ; EVELYN MARK PHILLIP D ; EVERS NICOLE ANDREA ; FEDISON JEFFREY BERNARD ; HONG HUICONG ; HUICONG HONG ; JEAN D EVELYN MARK PHILLIP PAR ; KRISTI JEAN NARANG ; LARRY BURTON ROWLAND ; LEBOEUF STEVEN ; LEBOEUF STEVEN F ; LEBOEUF STEVEN FRANCIS ; SANDVIK PETER M ; SANDVIK PETER MICAH ; STEVEN FRANCIS LEBOEUF ; TUCKER JESSE BERKLEY ; ZENG LARRY QIANG ; ZHANG AN PING ; MICAH SANDVIK PETER ; JEAN NARANG KRISTI ; FRANCIS LEBOEUF STEVEN ; CAO XIAN AN ; BURTON ROWLAND LARRY ; ZENG LARRY Q ; TRUSHIN ALEXANDER SERGEEVICH ; PHILIP DEVELYN MARK ; ORBAN JACQUES ; MARK P D EVELYN ; LARRY QIANG ZENG ; KRISTI J NARANG ; MARK PHILLIP D EVELYN ; NARANG KRISTI ; NARANG KRISTI J ; NARANG KRISTI JEAN ; PARK DONG SIL ; PETER MICAH SANDVIK ; ROWLAND LARRY ; ROWLAND LARRY B ; ROWLAND LARRY BURTON ; TRUSHIN ALEXANDER S ; PHILIP D EVELYN MARK ; DALEY ARTHUR STEPHEN

Inventor(s): ARTHUR STEPHEN ; SANDVIK PETER ; DEVELYN MARK PHILIP ; D EVELYN MARK PHILLIP PARK DONG SIL LEBOEUF STEVEN FRANCIS ROWLAND LARRY BURTON NARANG KRISTI JEAN HONG HUICONG SANDVIK PETER MICAH ; D'EVELYN MARK PHILIP ; D'EVELYN MARK PHILLIP ; D EVELYN MARK ; D EVELYN MARK PHILLIP PARK DONG SIL LEBOEUF

Agent(s): ZIMMERMANN AND PARTNER PATENTANWALTE MBB; HERRMANN UWE; LAUFHUETTE DIETER; MUELLER BORE AND PARTNER PATENTANWALTE; FURUYA SATOSHI; MIZOBE TAKAHIKO; GENERAL ELECTRIC COMPANY, GLOBAL RESEARCH; GENERAL ELECTRIC CO GLOBAL RESEARCH; MOMENTIVE PERFORMANCE MATERIALS INC QUARTZ C O DILWORTH AND BARRESE LLP; WILLIAM E; SHAWN A; JOSEPH E; MICHAEL; BRANDON; MCDONALD HOPKINS LLC; DILWORTH PETER G ET AL; FALLON PETER J ET AL

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

International class (IPC 8-9): B01J3/06 B29C35/02 B32B15/00 C01B21/06 C30B19/00 C30B19/02 C30B19/08 C30B19/12 C30B23/02 C30B25/02 C30B25/04 C30B25/20 C30B29/38 C30B29/40 C30B29/68 C30B33/08 C30B7/00 C30B7/10 C30B9/00 C30B9/08 C30B9/12 E21B4/02 F01C1/10 F01C1/107 F04C13/00 F04C2/107 H01B1/02 H01F1/40 H01L21/02 H01L21/20 H01L21/205 H01L21/208 H01L21/331 H01L21/335 H01L21/336 H01L21/337 H01L21/338 H01L21/8232 H01L21/8234 H01L27/06 H01L27/088 H01L27/095 H01L27/098 H01L29/06 H01L29/12 H01L29/20 H01L29/207 H01L29/47 H01L29/66 H01L29/732 H01L29/737 H01L29/74 H01L29/778 H01L29/78 H01L29/80 H01L29/808 H01L29/812 H01L29/861 H01L29/868 H01L29/872 H01L31/10 H01L33/00 H01L33/32 H01S5/343 (Advanced/Invention); C30B23/02 C30B29/40 C30B7/10 H01L29/20 H01L33/32 H01S5/30 H01S5/323 (Advanced/Non-invention); B32B15/00 C01B21/00 C30B25/02 C30B25/18 C30B29/10 C30B7/00 C30B9/00 H01B1/02 H01F1/40 H01L21/02 H01L29/02 H01L29/40 H01L29/66 H01L31/10 H01L33/00 H01S5/00 (Core/Invention); C30B29/38 C30B7/00 H01L21/20 H01L29/02 H01L33/00 (Core/Non-invention)

International class (IPC 1-7): C30B23/00 C30B23/02 C30B25/00 C30B25/20 C30B28/12 C30B28/14 C30B29/40 C30B9/12 H01L21/00 H01L21/02 H01L21/20 H01L33/00

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European class: B82Y10/00 B82Y20/00 B82Y30/00 C30B19/02 C30B19/12 C30B23/00 C30B25/02 C30B29/40B C30B29/40B2 C30B7/00 C30B7/10 C30B9/00 C30B9/08 E21B4/02 F01C1/107 F04C13/00E H01F1/40D3 H01L21/02K4A1A2 H01L21/02K4A1B1 H01L21/02K4A1J H01L21/02K4B1B1 H01L21/02K4C1B1 H01L21/02K4C3C H01L21/02K4C7 H01L21/02K4E3C H01L21/02K4E3P H01L21/205C H01L29/66M6T2V H01L29/66M6T2V2 H01L29/66M6T6E3 H01L29/732 H01L29/737B H01L29/778E2 H01L31/0304 H01L31/0304A H01L31/18E H01L33/32 H03K17/567 R04C230/91 R04C240/20 R04C240/70 T01L29/20B T01L33/32 T01S5/30P T01S5/323B4 T01S5/34A2 Y02E10/54H

US class: 1/1 117/105 117/58 117/58P 117/64 117/64S 117/65 117/67 117/67S 117/88 117/88S 117/97 117/97S 216/53 216/53S 216/67 216/67S 216/76 216/76S 216/94 216/94S 216/95 216/95S 252/506 252/506S 252/512 252/512S 252/513 252/513S 252/518.1 252/518.100S 252/521.4 252/521.400 252/521.400S 252/521.5 252/521.500 252/521.500S 252/521.6 252/521.600 252/521.600S 252/62.55 252/62.550 252/62.550S 257/101 257/103 257/103P 257/12 257/194 257/200 257/22 257/613 257/615 257/64 257/80 257/94 257/94P 257/E21.097 257/E21.097S 257/E21.108 257/E21.108S 257/E21.126 257/E21.126S 257/E21.386 257/E21.386S 257/E21.387 257/E21.387S 257/E21.407 257/E21.407S 257/E29.183 257/E29.183S 257/E29.189 257/E29.189S 257/E29.253 257/E29.253S 257/E31.019 257/E31.019S 257/E31.021 257/E31.021S 257/E31.058 257/E33.028 257/E33.028S 264/80 264/80S 418/48 418/48P 423/409 423/409S 428/141 428/141P 428/64.1 428/64.100S 428/697 428/697S 438/172 438/172S

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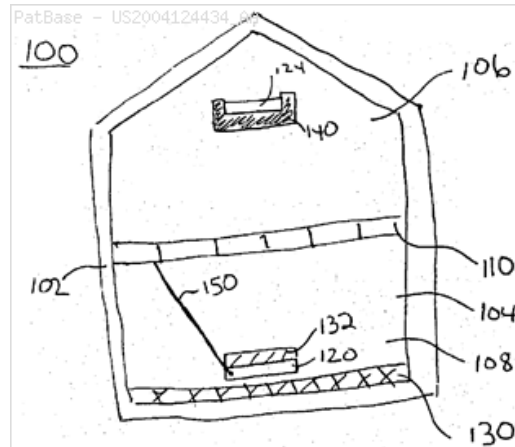
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Abstract:

Source: US2004124434A There is provided a GaN single crystal at least about 2 millimeters in diameter, with a dislocation density less than about 10^4 cm^{-1} , and having no tilt boundaries. A **method** of forming a GaN single crystal is also disclosed. The **method** includes providing a nucleation center, a GaN source material, and a GaN solvent in a chamber. The chamber is pressurized. First and second temperature distributions are generated in the chamber such that the solvent is supersaturated in the nucleation region of the chamber. The first and second temperature distributions have different temperature gradients within the chamber.



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Family:

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Agent(s):	MICROFABRICA INC ATT DENNIS R SMALLEY; DENNIS R SMALLEY MICROFABRICA INC; DENNIS R; SMALLEY DENNIS R
International class (IPC 8-9):	A61B10/00 A61B17/00 A61B17/04 A61B17/14 A61B17/29 A61B17/32 B01J19/08 B05D1/32 B05D1/36 B05D5/00 B23K31/02 B23K35/12 B29B13/00 B29C33/40 B29C45/14 B29C65/00 B41C3/02 B81B3/00 B81C1/00 C23C28/00 C23C4/02 C25D1/00 C25D1/08 C25D1/10 C25D17/06 C25D5/00 C25D5/02 C25D5/10 C25D5/48 C25D5/52 G01K1/08 G01P1/02 G01P15/00 G01P15/08 G01P15/10 G01P15/125 G01R1/067 G01R3/00 G01R31/02 G01R31/305 H01J3/14 H01L21/288 H01L21/44 H01L21/768 H01P1/202 H01P11/00 H01P3/00 H01P3/06 H01P5/18 H01R12/00 H01R13/187 H01R13/62 H01R24/58 H01R9/00 H05K7/02 H05K7/20 (Advanced/Invention); C25D1/00 G01R3/00 H05K3/46 (Advanced/Non-invention); A61B10/00 A61B17/00 A61B17/04 A61B17/14 A61B17/28 A61B17/32 B01J19/08 B23K35/02 B29C65/00 B81C1/00 C23C4/02 C25D1/00 C25D5/00 C25D5/02 C25D5/10 G01K1/08 G01P15/00 G01P15/08 G01P15/125 G01R1/067 G01R31/02 H01J3/00 H01R12/00 H01R9/00 (Core/Invention); C25D1/00 (Core/Non-invention)
International class (IPC 1-7):	B05D1/36 B05D3/10 C25D5/02 G01R1/06 G01R1/067 H01L21/70 H01L49/00
CPC:	A61B10/0233 A61B10/0283 A61B10/06 A61B2017/32004 C23C28/021 C23C28/023 C23C28/028 B81C99/0095 C23C28/048 C23C28/322 C23C28/34 C23C28/345 C23C28/36 B81C1/00246 B81C2203/0735 C23C28/00 A61B10/0266 A61B10/04 A61B17/320016 A61B17/320783 A61B2010/0225 A61B2017/00243 A61B2017/320064 A61B17/0401 A61B17/0469 A61B17/0482 A61B17/0487 A61B2017/00526 A61B2017/0462 A61B2017/0488 A61B2017/0496 A61B2017/06052 A61B2017/06176 C25D1/12 G01R1/07307 H01L24/11 H01L24/12 H01L24/16 H01L24/81 H01L24/95 H01L2221/68313 H01L2221/68354 H01L2221/68363 H01L2224/05568 H01L2224/10126 H01L2224/1147 H01L2224/11831 H01L2224/1184 H01L2224/1191 H01L2224/13017 H01L2224/81001 H01L2224/81054 H01L2224/81136 H01L2224/8121 H01L2224/81815 H01L2924/00013 H01L2924/01004 H01L2924/01005 H01L2924/01006 H01L2924/01013 H01L2924/01015 H01L2924/0102 H01L2924/01022 H01L2924/01024 H01L2924/01027 H01L2924/01029 H01L2924/01033 H01L2924/01045 H01L2924/01047 H01L2924/01049 H01L2924/0105 H01L2924/01073 H01L2924/01074 H01L2924/01075 H01L2924/01078 H01L2924/01079 H01L2924/01082 H01L2924/01322 H01L2924/01327 H01L2924/014 H01L2924/09701 H01L2924/14 H01L2924/19041 H01L2924/19042 H01L2924/19043 H01L2924/30107 H01L2924/3011 H01L2924/3025 H01L2924/10253 G06F17/5072 C23C4/02 C25D1/00 A61B2017/00345 C25D5/02 B81C1/00293 B81C1/00333 B81C2203/0145 C25D1/10 C25D7/123 G01R1/06738 G01R1/06755 H01L2224/1403 G01R1/06716 G01R1/06722 G01R1/06711 G01R1/06727 G01R1/0675 G01R1/07314 G01R1/07357 G01R31/2886 H01L2924/1461 Y10T29/49147 Y10T29/49204 Y10T29/49222 H01L2224/8181 H01L2924/3651 G01R31/02 H01L2924/0002 H01L2224/0401 H01L2924/15747 C23C4/01 H01L2224/13018 B81C1/0038 C23C18/1605 C23C18/1651 H01L21/2885 H01L21/76885 H01L2224/131 A61B17/149 C25D1/003 B81C1/0019 B81C1/00126 B81C2201/0181 B81C2201/0188 B81C2201/019 Y10T156/10 B81C99/0085 B81C2201/0107 B81C2201/0109 B81C2201/0197 B81C3/002 B81B2201/042 B81C3/008 B81C2203/051 G01P1/023 G01P15/0802 G01P15/125 H01P1/202 H01P3/06 H01P5/183 H01P11/00 H01P11/005 H01P11/007 H05K3/4647 B23K35/0222 H01L21/6835 G01R3/00 G01R1/06744 B33Y80/00 C25D5/022 C25D1/08 C25D5/10 H01R13/187 H01L24/72 G01R1/0483 G01R1/07342 G01R1/06733 Y10T29/49002 Y10T29/49016 Y10T29/49018 H01L2224/13076 H01L2924/3841 B33Y50/00 B33Y50/02 C25D5/00 C23C26/00 B33Y10/00 B33Y70/00
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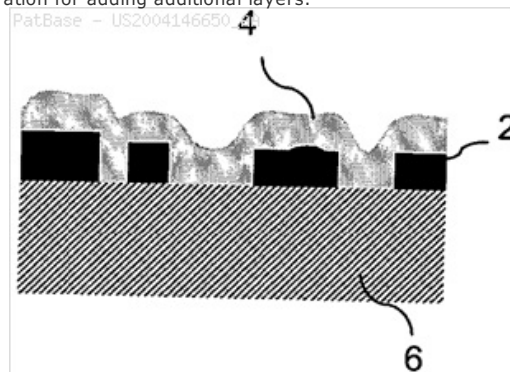
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Abstract:

Source: US2004146650A Various embodiments of the invention present techniques for forming structures via a combined electrochemical fabrication process and a thermal spraying process or powder deposition processes. In a first set of embodiments, selective deposition occurs via masking processes (e.g. a contact masking process or adhered mask process) and thermal spraying or powder deposition is used in blanket deposition processes to fill in voids left by selective deposition processes. In a second set of embodiments, after selective deposition of a first material, a second material is blanket deposited to fill in the voids, the two depositions are planarized to a common level and then a portion of the first or second materials is removed (e.g. by etching) and a third material is sprayed into the voids left by the etching operation. In both embodiments the resulting depositions are planarized to a desired layer thickness in preparation for adding additional layers.



Title: ANTIFUNGAL PAINTS AND COATINGS

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW 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 RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8-9): A01N25/00 A01N33/08 A01N37/18 A01N37/44 A01N37/46 A01N63/00 A01N63/02 A01P1/00 A01P3/00 A61F13/00 A61K31/74 A61K38/00 A61K38/08 A61K38/10 A61K47/48 B05D3/00 B05D5/00 B08B3/00 B32B3/12 B32B5/02 B65D81/00 B65D85/84 C07K14/00 C07K14/435 C07K17/00 C07K2/00 C07K5/08 C07K5/10 C07K7/00 C07K7/06 C07K7/08 C08G63/91 C08L89/00 C09D133/00 C09D189/00 C09D201/00 C09D5/14 C09D5/16 C09D7/00 C09D7/12 C09J11/08 C12N11/16 C12N9/00 C12N9/16 C12N9/18 C12N9/20 C12N9/48 C12N9/76 C12N9/78 C12Q1/00 C12Q1/34 C12Q1/527 C12S9/00 (Advanced/Invention); A01N33/00 A01N37/18 A01N37/44 A01N63/00 A01P1/00 A01P3/00 A61F13/00 A61K47/48 B05D3/00 C07K14/00 C07K5/00 C07K7/00 C08G63/00 C08L89/00 C09D201/00 C09D5/14 C09D5/16 C09D7/12 C09J11/00 C12N11/00 C12N9/00 C12N9/16 C12N9/48 C12N9/76 C12N9/78 (Core/Invention); A01N C09D

International class (IPC 1-7): A61K38/00 C08L89/00 C09D201/00 C09D5/14 C09D5/16

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European class: A01N37/46 A01N63/00 A01N63/02 B08B17/02 C07K7/06 C07K7/08 C09D5/00F C09D5/14 C09D5/16C3K C09D5/16C7 C09D5/16R C09D7/12D4 C09D7/12M C09D7/12S C12Q1/34 C12Q1/44 C12Q1/61 D06M16/00B M08L89/00

US class: 106/124.1 106/124.100S 106/15.05 106/15.050P 106/15.050S 106/18.32 106/18.320P 106/18.320P 106/18.320S 106/2 106/2P 106/4 106/4S 106/501.1 106/501.100S 134/26 134/26P 206/216 206/216S 206/524.1 206/524.100S 222/1 222/1S 424/404 424/409 424/422 424/422P 424/426 424/426P 424/78.09 424/94.2 424/94.200P 424/94.61 424/94.64 427/331 427/331S 427/352 427/352S 427/414 427/414P 428/116 428/116S 435/174 435/174S 435/18 435/183 435/183S 435/18P 435/196 435/196S 435/197 435/197S 435/198 435/198S 435/212 435/212S 435/213 435/213S 435/227 435/227S 435/264 435/264S 435/4 435/4S 442/93 442/93S 514/1.1 514/1.100P 514/12 514/16 514/17 514/18 514/2 514/2.4 514/2.400S 514/21.4 514/21.5 514/21.8 514/3.3 514/3.300P 514/3.300S 521/55 521/55P 523/122 523/122S 524/17 524/17S 524/590 525/54.1 525/54.100S 530/324 530/324S 530/326 530/326S 530/327 530/327S 530/329 530/329S 530/330 530/330S 530/331 530/331S 530/350 530/350S

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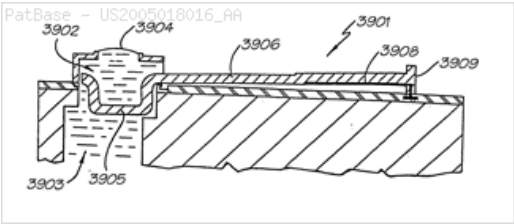
Abstract:

Source: US2005058689A Antifungal and antibacterial peptides, polypeptides and proteins as antifungal additives for paint and other coatings are disclosed, along with antifungal compositions, and coated surfaces with antifungal properties. **Methods** of using the coatings for treating and/or inhibiting growth of mold, mildew and other fungi and bacteria on objects such as building materials that are susceptible to such infestation are also disclosed.

PatBase - W005007758_R2	
WD200407758	PC10020404718
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Title:	INKJET NOZZLE ARRAY WITH INDIVIDUAL FEED CHANNEL FOR EACH NOZZLE																							
Priority:	AU1997PO07991 19970715 US20030407212 20030407		AU1997PO08004 19970715 US19980113122 19980710																					
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td>US2005018016 AA</td><td>20050127</td><td>US20040922878</td><td>20040823</td></tr><tr><td>US2007296765 A9</td><td>20071227</td><td>US20040922878</td><td>20040823</td></tr><tr><td>US2007296765 AB</td><td>20071227</td><td>US20040922878</td><td>20040823</td></tr><tr><td>US7527357 BB</td><td>20090505</td><td>US20040922878</td><td>20040823</td></tr></table>				Publication number	Publication date	Application number	Application date	US2005018016 AA	20050127	US20040922878	20040823	US2007296765 A9	20071227	US20040922878	20040823	US2007296765 AB	20071227	US20040922878	20040823	US7527357 BB	20090505	US20040922878	20040823
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Assignee(s):(std):	SILVERBROOK RES PTY LTD																							
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Inventor(s):(std):	SILVERBROOK KIA																							
Agent(s):	SILVERBROOK RESEARCH PTY LTD																							
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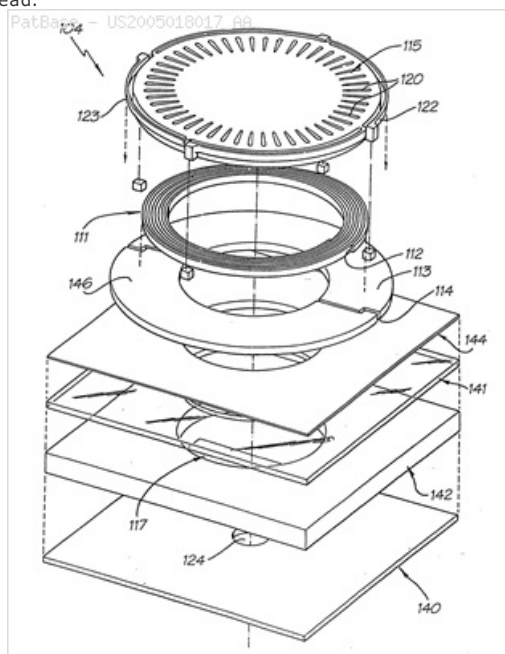
Abstract:
Source: US2005018016A An inkjet drop ejection apparatus comprising: an array of ink ejection nozzles, each nozzle having a chamber with an actuator for ejecting drops of ink through the nozzle, and an ink inlet in fluid communication with the ejection nozzle; and, a plurality elongate ink feed channels connected to each of the ink inlets respectively. By etching long ink feed channels for each nozzle eliminates fluidic cross talk between adjacent nozzles. An ink feed channel that supplies several nozzles needs to incorporate special features such as pinch points to deal with fluidic cross talk. The ink can be supplied from the 'back' surface of the wafer, thereby removing the need for ink feed channels beside the chambers. This provides more room for the power and print data to be connected to each nozzle along the front surface of the wafer.



Title:	INKJET NOZZLE CHAMBER HOLDING TWO FLUIDS																			
Priority:	AU1997PO07991 19970715 US20030407212 20030407		AU1997PO08004 19970715 US19980113122 19980710																	
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US class:	347/54 347/54P 347/65 348/E5.024 348/E5.055 348/E50.24S 348/E50.55S																			
Classification Explorer																				
Cited documents:	WO9712689 A1, WO8605722 A1, US6340222 BA, US6130689 A, US5982521 A, US5903380 A, US5822170 A, US5812159 A, US5719604 A, US5072235 A, US4864824 A, US4737802 A, US4723131 A, US4633267 A, US4576111 A, US4460905 A, US4210920 A, US4032929 A, SE9601403 A, JP59093356 A2, JP359093356, JP3202351 A2, GB2262152 A1, GB1569425 A, EP0671271 A2, EP0479441 A2, EP0417673 A2, EP0371763 A2, EP0189794 A2, DE4139731 A1, DE3245283 A1,																			
Forward Citations:	US9906869, US9554213, US9303858, US8698282, US8408682, US8393714, US8366243, US8123336, US8117751, US8113629, US8083326, US8079669, US8075104, US8061812, US8029102, US8029101, US8025366, US8020970, US7992968, US7980670, US7959263, US7950777, US7950775, US7950774, US7950773, US7934808, US7845764, US2014240993, US2011261122, US2011050807, US2010301831, US2010295903, US2010208000, US2010201750, US2010164070, US2010085402, US2010060696, US2010053275, US2010026765, US2009278897, US2009278891, US2009275151, US2009273642, US2009273641, US2009273640, US2009273639, US2009273638, US2009273635, US2009273634, US2009273632, US2009127663, US2009127662, US2009073240, US2007248460,																			

Abstract:

Source: US2005018017A An inkjet nozzle chamber configured such that it holds ink and a second fluid with a lower thermal conductivity; wherein, at least part of the actuator is positioned at the interface between the ink and the second fluid. By insulating at least some of the actuator from the printhead substrate, more heat is directed into the ink that is ejected from the nozzle. If the actuator is a thermal or thermal bend, the insulating fluid allows the resistive elements to heat more quickly and use less power. This reduces the overall power consumption of the printhead.



Title:

Priority:

Family:

Probable Assignee:

Assignee(s):(std):

Assignee(s):

Inventor(s):(std):

Agent(s):

International class (IPC 8-9):

International class (IPC 1-7):

CPC:

European class:

US class:

Cited documents:

Forward Citations:

INKJET NOZZLE WITH INK SUPPLY CHANNEL PARALLEL TO DROP TRAJECTORY

AU19970007991 19970715 AU19970008004 19970715 AU1997PO07991 19970715
US20040922881 20040823 US20030407212 20030407 AU1997PO08004 19970715
US19980113122 19980710

Publication number	Publication date	Application number	Application date
US2005024443 AA	20050203	US20040922881	20040823
US7293855 BB	20071113	US20040922881	20040823

MEMJET TECHNOLOGY LTD

SILVERBROOK RES PTY LTD

SILVERBROOK RESEARCH PTY LTD ; ZAMTEC LTD ; MEMJET TECHNOLOGY LTD

SILVERBROOK KIA

SILVERBROOK RESEARCH PTY LTD

B41J11/00 B41J11/70 B41J15/04 B41J2/04 B41J2/045 B41J2/05 B41J2/14 B41J2/16 B41J2/175 B41J3/42 B41J3/44 G06F1/16 G06F21/00 G06K1/12 G06K19/06 G06K19/073 G06K7/14 G07F7/08 G07F7/12 H04N1/21 H04N1/32 H04N5/225 H04N5/262 (Advanced/Invention); B41J2/165 H04N1/00 (Advanced/Non-invention)

B41J2/05

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347/54 347/65 347/65P 348/E05.024 348/E05.055 348/E5.024 348/E5.055 348/E50.24S 348/E50.55S

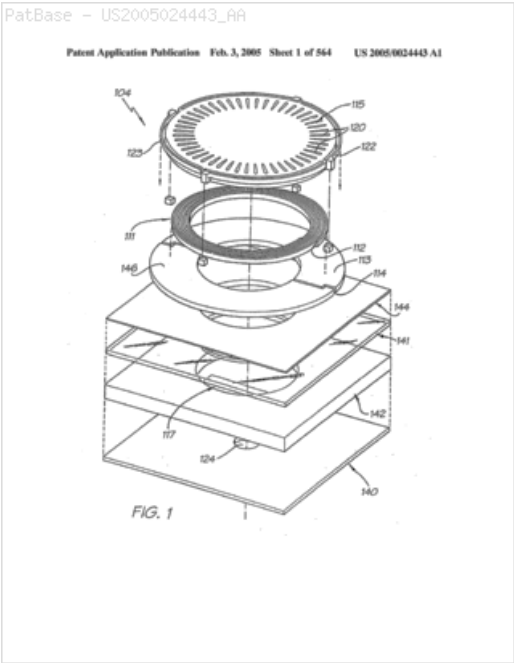
[Classification Explorer](#)

WO9936881 A1, WO9712689 A1, WO8605722 A1, US5982521 A, US5905517 A, US5903380 A, US4737802 A, US4723131 A, US4633267 A, US4576111 A, US4460905 A, US4210920 A, US4032929 A, SE9601403 A, JP59093356 A2, JP359093356, JP3202351 A2, GB2262152 A1, GB1569425 A, EP0671271 A2, EP0479441 A2, EP0417673 A2, EP0371763 A2, EP0189794 A2, DE4139731 A1, DE3245283 A1,

US9906869, US9554213, US8256131, US2008282574,

Abstract:

Source: US2005024443A An inkjet drop ejection apparatus comprising: a chamber with a nozzle; an elongate ink inlet channel for fluid communication with an ink supply; and, an actuator with associated drive circuitry for ejecting drops of ink through the nozzle; wherein, the longitudinal axis of the ink supply channel is substantially parallel to the trajectory of the ejected drops of ink. If the ink supply channel is parallel with the direction of ink ejection, nozzle packing density on the printhead can be significantly increased. The ink can be supplied from the 'back' surface of the wafer, thereby removing the need for ink feed channels beside the chambers. This provides more room for the power and print data to be connected to each nozzle along the front surface of the wafer. Furthermore, ink supply channels **leading** directly to the nozzles promote a rapid ink refill rate under the action of the nozzle meniscus surface tension.



Title: INKJET CHAMBER WITH PLURALITY OF NOZZLES

Priority: AU19970007991 19970715 AU19970008004 19970715 US20030407212 20030407
AU1997PO08004 19970715 AU1997PO07991 19970715 US19980113122 19980710
US20040922888 20040823

Family:

Publication number	Publication date	Application number	Application date
US2005030342 AA	20050210	US20040922888	20040823
US7472984 BB	20090106	US20040922888	20040823

Probable Assignee: MEMJET TECHNOLOGY LTD

Assignee(s):(std): SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; ZAMTEC LTD ; MEMJET TECHNOLOGY LTD

Inventor(s):(std): SILVERBROOK KIA

Agent(s): SILVERBROOK RESEARCH PTY LTD

International class (IPC 8-9): B41J11/00 B41J11/70 B41J15/04 B41J2/04 B41J2/045 B41J2/05 B41J2/14 B41J2/16 B41J2/175 B41J3/42 B41J3/44 G06F1/16 G06F21/00 G06K1/12 G06K19/06 G06K19/073 G06K7/14 G07F7/08 G07F7/12 H04N1/21 H04N1/32 H04N5/225 H04N5/262 (Advanced/Invention); B41J2/165 H04N1/00 (Advanced/Non-invention)

International class (IPC 1-7): B41J2/04

CPC: B41J2/14427 B41J2/1623 B41J2/1626 B41J2/1628 B41J2/1629 B41J2/1631 B41J2/1632 B41J2/1635 B41J2/1637 B41J2/1639 B41J2/1642 B41J2/1643 B41J2/1645 B41J2/1646 B41J2/1648 B41J2/16585 B41J2/17513 B41J2/17596 B41J2002/041 B41J2002/14346 B41J2002/14435 B41J2202/21 G06F21/79 G06F21/86 G06F2221/2129 G06K1/121 G06K7/14 G06K7/1417 G06K19/06037 H04N5/225 H04N5/2628 B41J2/14 B41J2/14314 B42D2035/34

European class: B41J11/00A B41J11/70 B41J15/04 B41J2/14E B41J2/14S B41J2/16M1 B41J2/16M3 B41J2/16M3D B41J2/16M3W B41J2/16M4 B41J2/16M5 B41J2/16M6 B41J2/16M7 B41J2/16M7S B41J2/16M8C B41J2/16M8P B41J2/16M8S B41J2/16M8T B41J2/16S B41J2/175C B41J2/175C2 B41J3/42B B41J3/44B B42D15/10 G06F21/79 G06F21/86 G06K1/12B G06K19/06C3 G06K19/073 G06K7/14 G06K7/14A2C G11C11/56 H04N1/21B3 H04N1/32C H04N1/32C16 H04N5/225 H04N5/262T L41J2/04M L41J2/14I L41J2/14S1 L41J2/165L L41J2/175P L41J202/21 L42D35/34 S06F221/2129 T04N1/00C T04N101/00 T04N201/00C T04N201/00C22 T04N201/00D3D4 T04N201/00W1 T04N201/21B3H T04N201/32C12 T04N201/32C3H T04N201/32C6 T04N201/32C9B

US class: 347/54 347/54P 347/65 348/E05.024 348/E05.055 348/E5.024 348/E5.055 348/E50.24S 348/E50.55S

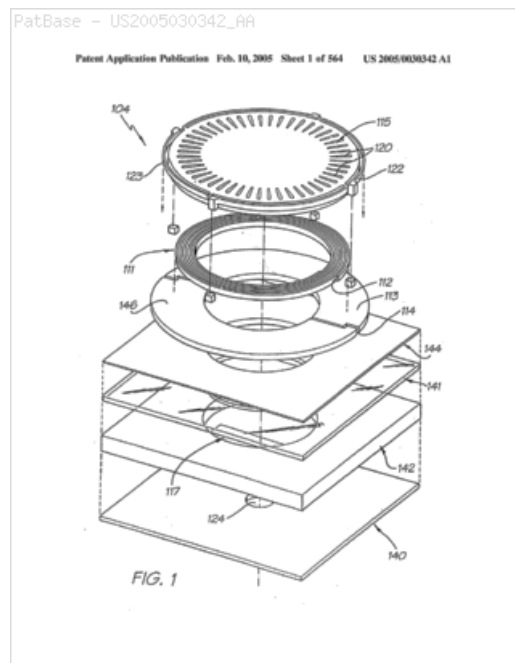
[Classification Explorer](#)

Cited documents: WO9712689 A1, WO8605722 A1, US6247791 BA, US6130689 A, US5982521 A, US5903380 A, US5812159 A, US4864824 A, US4737802 A, US4723131 A, US4633267 A, US4576111 A, US4460905 A, US4210920 A, US4032929 A, SE9601403 A, JP59093356 A2, JP359093356, JP3202351 A2, GB2262152 A1, GB1569425 A, EP0671271 A2, EP0479441 A2, EP0417673 A2, EP0371763 A2, EP0189794 A2, DE4139731 A1, DE3245283 A1,

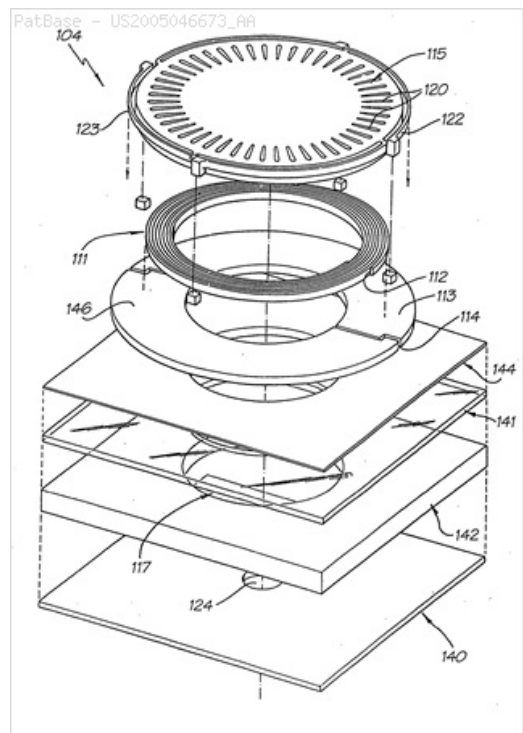
Forward Citations: WO14123615, WO14123615, US9906869, US9554213, US9431205, US9422954, US8293557, US8240187, US7980670, US2011223702, US2011050807, US2009312662, CN102190285, CN102190285,

Abstract:

Source: US2005030342A An inkjet drop ejection apparatus comprising: a chamber with a plurality of nozzles; and, an actuator with associated drive circuitry for selectively ejecting drops of ink through any one of the nozzles. Using a single actuator for ejecting ink from multiple nozzles reduces the drive circuitry etched into the printhead. This in turn allows the nozzle spacing to be reduced.



Title:	NOZZLE WITH RECIPROCATING PLUNGER																								
Priority:	AU1997PO07991 19970715 US20030407212 20030407		AU1997PO08004 19970715 US19980113122 19980710		US20040922890 20040823 US20090616125 20091110																				
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td>US2005046673 AA</td><td>20050303</td><td>US20040922890</td><td>20040823</td></tr><tr><td>US2010053275 AA</td><td>20100304</td><td>US20090616125</td><td>20091110</td></tr><tr><td>US7628468 BB</td><td>20091208</td><td>US20040922890</td><td>20040823</td></tr><tr><td>US7950773 BB</td><td>20110531</td><td>US20090616125</td><td>20091110</td></tr></table>					Publication number	Publication date	Application number	Application date	US2005046673 AA	20050303	US20040922890	20040823	US2010053275 AA	20100304	US20090616125	20091110	US7628468 BB	20091208	US20040922890	20040823	US7950773 BB	20110531	US20090616125	20091110
Publication number	Publication date	Application number	Application date																						
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US2010053275 AA	20100304	US20090616125	20091110																						
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Probable Assignee:	MEMJET TECHNOLOGY LTD																								
Assignee(s):(std):	SILVERBROOK RES PTY LTD																								
Assignee(s):	SILVERBROOK RESEARCH PTY LTD ; ZAMTEC LTD ; MEMJET TECHNOLOGY LTD																								
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Agent(s):	SILVERBROOK RESEARCH PTY LTD																								
International class (IPC 8-9):	B41J11/00 B41J11/70 B41J15/04 B41J2/04 B41J2/045 B41J2/06 B41J2/14 B41J2/16 B41J2/175 B41J3/42 B41J3/44 G06F1/16 G06F21/00 G06K1/12 G06K19/06 G06K19/073 G06K7/14 G07F7/08 G07F7/12 H04N1/21 H04N1/32 H04N5/225 H04N5/262 (Advanced/Invention); B41J2/165 H04N1/00 (Advanced/Non-invention)																								
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European class:	B41J11/00A B41J11/70 B41J15/04 B41J2/14E B41J2/14S B41J2/16M1 B41J2/16M3 B41J2/16M3D B41J2/16M3W B41J2/16M4 B41J2/16M5 B41J2/16M6 B41J2/16M7 B41J2/16M7S B41J2/16M8C B41J2/16M8P B41J2/16M8S B41J2/16M8T B41J2/16S B41J2/175C B41J2/175C2 B41J3/42B B41J3/44B B42D15/10 G06F21/79 G06F21/86 G06K1/12B G06K19/06C3 G06K19/073 G06K7/14 G06K7/14A2C G11C11/56 H04N1/21B3 H04N1/32C H04N1/32C16 H04N5/225 H04N5/262T L41J2/04M L41J2/14I L41J2/14S1 L41J2/165L L41J2/175P L41J202/21 L42D35/34 S06F221/2129 T04N1/00C T04N101/00 T04N201/00C T04N201/00C22 T04N201/00D3D4 T04N201/00W1 T04N201/21B3H T04N201/32C12 T04N201/32C3H T04N201/32C6 T04N201/32C9B																								
US class:	347/53 347/53P 347/54 347/54P 347/55 348/E5.024 348/E5.055 348/E50.24S 348/E50.55S																								
Classification Explorer																									
Cited documents:	WO9712689 A1, WO8605722 A1, US7798603 BB, US7758166 BB, US7748827 BB, US7628468 BB, US7591539 BB, US7578582 BB, US7568788 BB, US7553001 BB, US7410243 BB, US7255424 BB, US6938990 BB, US6543883 BA, US6312107 BA, US6257705 BA, US6247791 BA, US6227652 BA, US6174050 BA, US6174050 B1, US6130689 A, US6027205 A, US5982521 A, US5903380 A, US5812159 A, US5719604 A, US4864824 A, US4737802 A, US4723131 A, US4633267 A, US4576111 A, US4460905 A, US4210920 A, US4032929 A, SE9601403 A, JP6336011 A2, JP6134985 A2, JP6106725 A2, JP60131254 A2, JP59093356 A2, JP57131569 A2, JP55059972 A2, JP5318724 A2, JP48034627 A2, JP4368851 A2, JP4357039 A2, JP4129745 A2, JP4126255 A2, JP359093356, JP3202351 A2, JP3065349 A2, JP2273241 A2, JP2265752 A2, JP2265751 A2, JP2219655 A2, JP2150353 A2, JP2102053 A2, JP2034342 A2, JP1283152 A2, GB2262152 A1, GB1569425 A, EP0671271 A2, EP0479441 A2, EP0417673 A2, EP0371763 A2, EP0189794 A2, DE4139731 A1, DE3245283 A1,																								
Forward Citations:	WO11020020, WO11020020, US9906869, US9676184, US9554213, US9199467, US9180454, US9108424, US8820871, US8810882, US8393714, US8366243, US8117751, US8079669, US7992968, US7950773, US2015214752, US2015116399, US2010295903, US2010208000, US2010201750, US2010053275, US2009278892, US2009278891, US2009275151, US2009273643, US2009273642, US2009273641, US2009273640, US2009273639, US2009273638, US2009273636, US2009273635, US2009273634, US2009273633, US2009273632, US2009273623, US2009273622,																								
Abstract:	Source: US2005046673A An inkjet nozzle with a chamber defined by a plunger spaced from an ejection nozzle. An actuator moves the plunger towards the nozzle to eject drops of ink. Ejecting ink from the nozzle with a reciprocating plunger and simple actuating mechanism is energy efficient and offers high speed operation. With relatively low power consumption, the printhead can be easily extended to pagewidth																								



Title:	MULTI-WIRE SAW			
Priority:	EP20040792847 20041022	EP20110161654 20041022	JP20030365719 20031027	
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	WO2004JP15705 20041022	JP20090069968 20090323	JP20050514977 20041022	
Family:	Publication number	Publication date	Application number	Application date
	CN100503166 C	20090624	CN200480011416	20041022
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	DE602004041709 D1	20130606	DE200460041709T	20041022
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	US7306508 BB	20071211	US20050540020	20050622
	WO05039824 A1	20050506	WO2004JP15705	20041022
Probable Assignee:	MITSUBISHI DENKI KK			
Assignee(s):(std):	HAMAYASU MASAYUKI ; KAWASAKI TAKAFUMI ; MIMURA SEIICHI ; MITSUBISHI DENKI KK ; MITSUBISHI ELECTRIC CORP ; TSURUTA HIROZOH ; NISHIDA HIROKAZU ; TOMINAGA HISASHI			
Assignee(s):	MITSUBISHI DENKI KABUSHIKI KAISHA			
Inventor(s):(std):	HIROKAZU NISHIDA ; HIROZOH TSURUTA ; HISASH KAWASAKI TAKAFUMI TSURU ; HISASHI TOMINAGA ; KAWASAKI TAKAFUMI ; HAMAYASU MASAYUKI ; MASAYUKI HAMAYASU ; MIMURA SEIICHI ; TSURUTA HIROZOH ; SEIICHI MIMURA ; TAKAFUMI KAWASAKI ; TOMINAGA HISASHI ; TSURUTA AKIZO ; TOMINAGA HISAFUMI ; NISHIDA HIROICHI ; NISHIDA HIROKAZU			
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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 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			
International class (IPC 8-9):	B23D49/00 B23D53/00 B24B27/06 B24B49/00 B24B57/02 B28D1/06 B28D1/08 B28D5/00 B28D5/04 H01L21/304 (Advanced/Invention); H01L21/304 (Advanced/Non-invention); B23D49/00 B23D53/00 B24B49/00 B28D1/02 (Core/Invention)			
International class (IPC 1-7):	B24B B24B27/06 B28D5/04 H01L21/304			
CPC:	Y02P70/179 B28D5/007 B24B27/0633 B28D5/045 H01L21/304			
European class:	B24B27/06E B28D5/00H3 B28D5/04C T01L21/304			
US class:	125/16.02 125/21 257/E21.237 451/446 451/60 451/7			
Classification Explorer				
Cited documents:	US6832606 BB, US6390896 BA, US6006738 A, US6006737 A, US5827113 A, US2003089362 AA, JPS6357171, JPS61284926, JPS61125768, JP9262829 A2, JP9099432 A2, JP8047850 A2, JP7195358 A2, JP63057171 A2, JP61284926 A2, JP61284926, JP61125768 A2, JP5212720 A2, JP3187296 B2, JP3187296, JP3071100 B2, JP3071100, JP2298280 A2, JP2262955 A2, JP2262955, JP2008213111 A2, JP2003159650 A2, JP2002307283 A2, JP2001079747 A2, JP2001079747, JP2000343525 A2, JP2000218493 A2, JP1316164 A2, JP1316164, JP11320379, JP11277395 A2, JP11042551 A2, JP10180750 A2, JP10180750, FR2233139 A1,			
Forward Citations:	WO16103397, WO14005028, WO13128688, WO13128653, WO11116956, WO11004352, WO10146908, WO10143354, WO10110673, WO09017672, WO09017672, WO08035529, US9902044, US9878382, US9862041, US9687962, US9475209, US9409243, US9375826, US9314942, US9278429, US9254552, US9248583, US9211634, US9186816, US9174361, US9067268, US9028948, US8752537, US8425639, US8356590, US8267742, US8261730, US8256407, US8167681, US8157876, US8065995, US8002861, US7997262, US7959491, US7878883, US7005172, US2015202797, US2014083407, US2013228160, US2013130425, US2013081606, US2013061842, US2013061841, US2012167733, US2012085333, US2011192389, US2011174285, US2011100346, US2010258103, US2010197202, US2010180880, US2010163010, US2010126490, US2010126489, US2010126488, US2010037881, US2009293369, US2009126713, US2009032006, US2007178807, US2007049173, TWI449612, TWI445069, TWI417128, TWI411031, TWI375617, RU2529856, KR101434000, KR101362864, JP5201086, JP4791306, JP2013539231, JP2011502346, JP2010284743, JP2008078473, JP2007054950, GB2484348, FR2947831, EP2275241, EP1757419, DE102011014828, DE102010025606, DE102010015111, DE102010014551, DE102007048879, CN106363826, CN106363826, CN105058605, CN104354233, CN103507173, CN102689367, CN102482554, CN102482554, CN101973081, CN101712860,			
Abstract:				

Source: US2006249134A A multi-wire saw according to the present invention cuts a workpiece while supplying a slurry containing an alkali or mixed **acid** to a cutting interface between the workpiece and a wire, and includes: a storage tank with a heating mechanism for storing and heating the slurry; a thermal insulating pipe for transporting the slurry sent with a **pump** from the storage tank with a heating mechanism to a position before a position where the wire is incorporated into the workpiece, while keeping the slurry at a predetermined temperature; a thermostat for keeping a temperature in a vicinity of the workpiece fixed to a stage at the predetermined temperature; and a wire heating mechanism for heating the wire to the predetermined temperature. Consequently, the cutting resistance decreases during cutting **machining** of a silicon ingot, and the variation in the cutting resistance also decreases, whereby a high-quality wafer can be obtained at a high efficiency and a low cost.

