

Nicolas Vargas

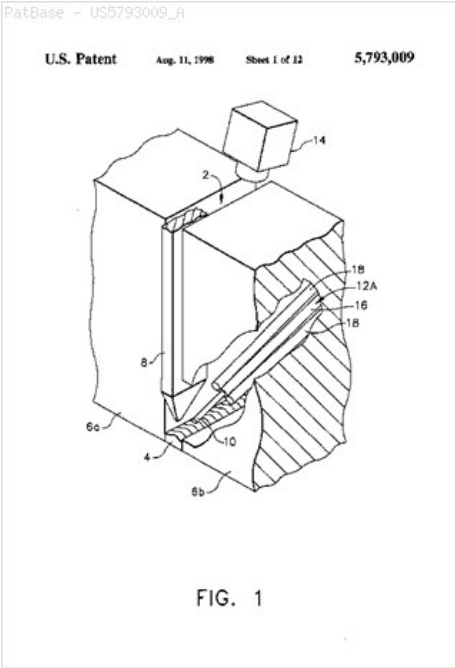
1) Family number: 11078349 (US5793009A)

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Title: Apparatus for joining metal components using broad, thin filler nozzle

Abstract: Source: US5793009A A filler material guide nozzle assembly for feeding fusible filler metal wire or other metal forms into reduced-width, high-aspect-ratio (ratio of depth to width) metallic joints with control and stability of the filler metal position as it enters the molten pool area. The filler material guide nozzle assembly is designed with a thin but stiff non-circular cross-sectional shape, with its width dimension significantly greater than its thickness dimension, and can be utilized in very reduced-width welded or otherwise fused joints to provide the accuracy and stability required for reliable filler material addition. During use with welding, brazing and similar processes, the outlet end of the nozzle is located within the joint near the bottom, close to the area to be fused. The width dimension of the nozzle apparatus is oriented parallel to the depth of the weld joint, and the thickness dimension is oriented perpendicular to the depth of the joint. The thickness of the nozzle apparatus is less than the thickness of the joint between the components to be fused with the filler metal, allowing the outlet end of the nozzle to be fitted within the joint and in closer proximity to the molten pool during the joining process.

Classifications:
International (IPC 8-9): B23K5/02 B23K9/00 B23K9/02 B23K9/12 B23K9/16 B23K9/167 B23K9/29 (Advanced/Invention); B23K9/00 B23K9/02 B23K9/12 B23K9/16 B23K9/167 B23K9/24 (Core/Invention)
International (IPC 1-7): B23K33/0 B23K5/02 B23K9/00 B23K9/12 B23K9/167 B23K9/2 B23K9/22 B23K9/29
CPC: B23K9/0213 B23K9/164
European: B23K9/02N B23K9/16C
US: 219/136 219/74 219/75 228/219



Family:

Publication number	Publication date	Application number	Application date
DE69732000 D1	20050127	DE19976032000	19970620
DE69732000 T2	20051229	DE19976032000T	19970620
EP0819495 A2	19980121	EP19970304342	19970620
EP0819495 A3	19990630	EP19970304342	19970620
EP0819495 B1	20041222	EP19970304342	19970620
ES2235214 T3	20050701	ES19970304342T	19970620
JP10076367 A2	19980324	JP19970161759	19970619
JP3331147 B2	20021007	JP19970161759	19970619
MX9704675 A1	19980731	MX19970004675	19970620
TW334376 B	19980621	TW19970108618	19970620
US5793009 A	19980811	US19960667053	19960620
US5981897 A	19991109	US19970826096	19970328

Priority:
 US19960667053 19960620 US19970826096 19970328

Probable Assignee: GENERAL ELECTRIC CO

Assignee(s): (std): GEN ELECTRIC

Assignee(s): GENERAL ELECTRIC CO ; GENERAL ELECTRIC CO GE ; GENERAL ELECTRIC CO SCHENECTADY ; GENERAL ELECTRIC COMPANY

Inventor(s): (std): KAZIRSKIS BENEDICT ; MAHONEY PAUL S ; OFFER HENRY PETER

Inventor(s): HENRY P OFFER ; HENRY PETER OFFER

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

2) Family number: 34175511 (GB200623503A)

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Title: FOOD TREATMENT

Abstract: Source: GB200623503A A food treatment device comprises an injection assembly having a needle 110 with a food penetrating front end 118 and transverse protrusions 112. A tubular shroud 114 surrounds the needle with a spacing and is axially displaceable with respect to the needle. A conduit 130 communicates with the space within the shroud for passing a flowable composition into a rear end portion of the shroud. A tubular guide 120 surrounds the shroud with a spacing and is axially displaceable relative to the shroud and the needle. The guide has a cutting edge 125 at its front end and a fluid supply inlet 500 at a rear region. The needle may be solid and the shroud may also have a cutting edge at its front end. A method for the use of the device in injecting a flowable composition into a solid food substrate such as meat is also disclosed.

Classifications:

PatBase - GB2444117_B2

International (IPC 8-9): A22C17/00 A22C9/00 A23B4/28 A23L1/318 A23L13/70 (Advanced/Invention);
A22C17/00 A22C9/00 A23B4/26 A23L1/318 (Core/Invention)
CPC: A22C9/001 A23B4/28 A22C17/0053 A23L13/70
European: A22C17/00D A22C9/00B A23B4/28 A23L1/318

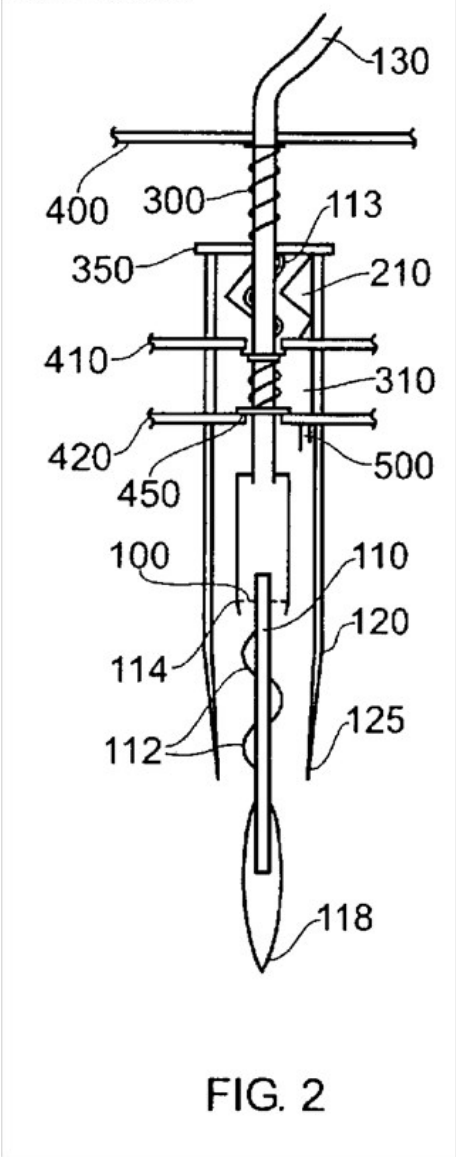


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
GB200623503 A0	20070103	GB20060023503	20061124
GB2444117 A1	20080528	GB20060023503	20061124
GB2444117 B2	20110713	GB20060023503	20061124

Priority:

GB20060023503 20061124

Probable Assignee: NEWMAN PAUL B

Assignee(s): (std): NEWMAN PAUL B ; NEWMAN PAUL BERNARD

Assignee(s): PAUL BERNARD NEWMAN

Inventor(s): (std): NEWMAN PAUL BERNARD

Inventor(s): PAUL BERNARD NEWMAN

3) Family number: 43144817 (US2010214786A)

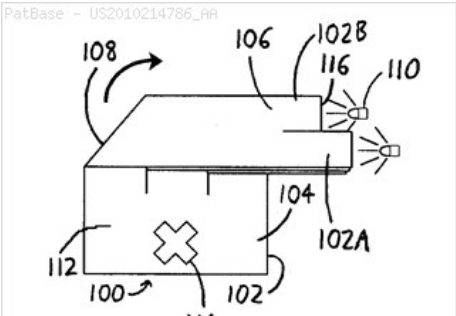
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Title: LIGHT COUPLING INTO ILLUMINATED FILMS

Abstract: Source: US2010214786A A flexible translucent sheet is folded to have portions of its bounding edge closely situated in overlapping relationship, and these overlapping portions are illuminated by a light source. The illumination is transmitted through the interior of the sheet to any adjacent unfolded area of the sheet, which may bear emission areas which are treated so that the light emits from the sheet at these areas. Preferred versions of the invention have a series of legs cut into one edge of the sheet, and the legs are then bundled in stacked relationship, with a light source providing light input into the bundle.

Classifications:

International (IPC 8-9): A61P19/06 B23P11/00 B23P19/04 B29C45/14 B29D11/00 B64C25/04 F21S2/00 F21S8/00 F21V14/00 F21V14/06 F21V21/00 F21V21/14 F21V3/04 F21V7/00 F21V7/04 F21V7/22 F21V8/00 G01D11/28 G02B6/00 G02B6/10 G02B6/122 G02B6/26 G02B6/30 G02B6/42 G02F1/00 G02F1/13357 G09F13/00 G09F13/04 G09F13/18 G09F9/00 G09F9/30 H01J9/24 H05B37/02 (Advanced/Invention); B29C45/14 B29D11/00 F21V8/00 F21Y101/00 F21Y101/02 F21Y103/00 F21Y105/00 G02B27/01 G02F1/1335 G09F13/18 (Advanced/Non-invention); B29C45/14 B29D11/00 F21V3/00 F21V7/00 F21V8/00 (Core/Invention)
CPC: Y10S362/812 G02B6/0073 A61K31/52 G02B6/0081 G02B6/0095 G02B6/0011 A61K31/495 A61K31/519 G02B27/0172 G02B6/0053 G02B6/0061 F21V14/02 Y10T29/49888 Y10T156/1051 Y10T29/49002 G02B6/0036 G02B6/0078 G02B6/0085 G02B27/017 G02B6/0013 G02B6/0043 G02B6/006 Y10T29/49826 G02B6/0018 G02B6/002 G02B6/0028 G02B6/003 G02B6/005 G02B6/0068 G02B6/0076 G02B6/0088 G02B27/0101 G09F13/18 G02B6/0065 G02F2001/133616 G02B6/0058 F21K9/232 F21K9/61 F21K9/65
European: G02B6/00L6I G02B6/00L6I4R G02B6/00L6I8G G02B6/00L6O16



G02B6/00L6S2 G02B6/00L6T2 G02B6/00L6T4 S02B6/00L6I4R S02B6/00L6I4S
 S02B6/00L6I8G S02B6/00L6I8L S02B6/00L6O16B S02B6/00L6O16U S02B6/00L6O4
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 S02B6/00L6T2 S02B6/00L6T4 S02B6/00L6U4 S02F1/1336F S09F13/18

US: 156/227 29/428 29/428S 29/460 29/460S 29/592.1 315/158 315/158P 315/312 315/312S 349/144 349/158 349/187 349/61 349/62 349/63
 362/296.01 362/296.010P 362/311.01 362/311.02 362/311.03 362/311.030S 362/551 362/560 362/560P 362/600 362/603 362/603S 362/606
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Family:

Publication number	Publication date	Application number	Application date
AU2012225244 AA	20120913	AU20120225244	20120309
CA2796515 AA	20121015	CA20112796515	20110415
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CA2796519 AA	20121015	CA20112796519	20110415
CA2829388 AA	20130906	CA20122829388	20120309
CN102918435 A	20130206	CN201180027435	20110415
CN103038567 A	20130410	CN201180027439	20110415
CN103038568 A	20130410	CN201180027447	20110415
EP2197649 A1	20100623	EP20080838526	20081007
EP2197649 A4	20121017	EP20080838526	20081007
EP2558775 A2	20130220	EP20110769729	20110415
EP2558775 A4	20140604	EP20110769729	20110415
EP2558776 A2	20130220	EP20110769731	20110415
EP2558776 A4	20140521	EP20110769731	20110415
EP2558893 A2	20130220	EP20110769732	20110415
EP2558893 A4	20140611	EP20110769732	20110415
EP2683980 A1	20140115	EP20120754909	20120309
EP2683980 A4	20140813	EP20120754909	20120309
IN07975DN2013 A	20160520	IN2013DN07975	20130911
IN09880DN2012 A	20140613	IN2012DN09880	20121115
IN09881DN2012 A	20140613	IN2012DN09881	20121115
IN09882DN2012 A	20140613	IN2012DN09882	20121115
JP2011507004 T2	20110303	JP20100528972T	20081007
JP2013525836 T2	20130620	JP20130505207T	20110415
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JP2014194940 A2	20141009	JP20140089205	20140423
JP5535923 B2	20140702	JP20100528972T	20081007
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KR20130054263 A	20130524	KR20127029572	20110415
KR20130055598 A	20130528	KR20127029574	20110415
KR20130096155 A	20130829	KR20127029573	20110415
MX2012012033 A1	20130520	MX20120012033	20110415
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MX2012012035 A1	20130530	MX20120012035	20110415
US2010214786 AA	20100826	US20080682387	20081007
US2011227487 AA	20110922	US20110089311	20110418
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US2011273906 AA	20111110	US20110088167	20110415
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Priority:

JP20100528972	20081007	JP20100528972P	20081007	US20070978755P	20071009
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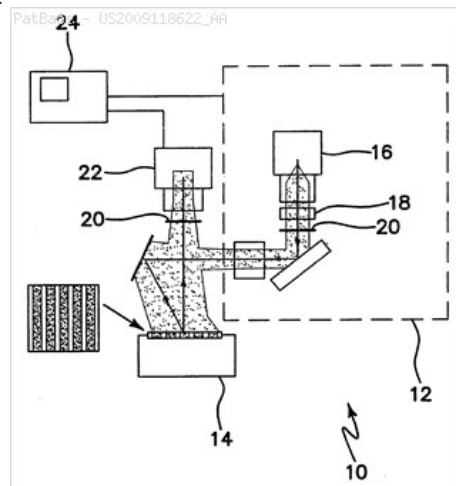
Probable Assignee: FLEX LIGHTING II LLC
Assignee(s): (std): COLEMAN ZANE ; COLEMAN ZANE A ; NICHOL ANTHONY J ; FLEX LIGHTING II LLC ; NICHOL ANTHONY JOHN ; COLEMAN ZANE ARTHUR ; LYMAN SCOTT ; ELDER JENNA ; FLYNT AMY ; HOLLISTER ALAN ; ANTHONY J NICHOL ; BANTIA SHANTA ; BIOCRYST PHARM INC ; FLEX LIGHTING LL LLC ; PUCYLOWSKI SHAWN ; PUCYLOWSKI SHAWN MICHAEL ; WAUGH ANITA ; SHERIDAN WILLIAM P
Assignee(s): BIOCRYST PHARMACEUTICALS INC
Inventor(s): (std): ANTHONY J NICHOL ; BANTIA SHANTA ; COLEMAN ZANE ; COLEMAN ZANE A ; COLEMAN ZANE ARTHUR ; ELDER JENNA ; FLYNT AMY ; HOLLISTER ALAN ; LYMAN SCOTT ; NICHOL ANTHONY J ; NICHOL ANTHONY JOHN ; PUCYLOWSKI SHAWN MICHAEL ; SHERIDAN WILLIAM P ; WAUGH ANITA ; PUCYLOWSKI SHAWN
Agent(s): BALDWIN'S INTELLECTUAL PROPERTY; OSLER HOSKIN AND HARCOURT LLP; GOWLING LAFLEUR HENDERSON LLP; EXELL JONATHAN MARK; Lane Cathal Michael; LANE CATHAL MICHAEL; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; INTELLECTUAL PROPERTY DEPT DEWITT ROSS AND STEVENS SC; SCHIFF HARDIN LLP; QUARLES AND BRADY LLP; FIESCHKO CRAIG A; KRISCHKE ERIC T; LOVE JANE M ET AL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 43217962 (US2009118622A) © PatBase

Title: APPARATUS AND METHOD FOR WIDEFIELD FUNCTIONAL IMAGING (WIFI) USING INTEGRATED STRUCTURED ILLUMINATION AND LASER SPECKLE IMAGING

Abstract: Source: US2009118622A An apparatus for wide-field functional imaging (WIFI) of tissue includes a spatially modulated reflectance/fluorescence imaging (SI) device capable of quantitative subsurface imaging across spatial scales, and a laser speckle imaging (LSI) device capable of quantitative subsurface imaging across spatial scales using integrated with the (SI) device. The SI device and LSI device are capable of independently providing quantitative measurement of tissue functional status.

Classifications:
International (IPC 8-9): A61B6/00 (Advanced/Invention); A61B6/00 (Core/Invention)
CPC: A61B5/0073 A61B5/4094 G01N21/4795 G01N21/6456
European: A61B5/00P6 G01N21/47S G01N21/64P4
US: 600/407 600/473 600/473P 600/476 600/479



Family:

Publication number	Publication date	Application number	Application date
US2009118622 AA	20090507	US20080016918	20080118
US8509879 BB	20130813	US20080016918	20080118

Priority:
US20070985872P 20071106 US20080016918 20080118

Probable Assignee: MODULATED IMAGING INC
Assignee(s): (std): CHOI BERNARD ; CUCCIA DAVID ; DURKIN ANTHONY J ; MAZHAR AMAAN ; TROMBERG BRUCE J ; UNIV CALIFORNIA
Assignee(s): NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; UNIV OF CALIFORNIA ; MODULATED IMAGING INC ; NATIONAL INST ; THE UNIV OF CALIFORNIA ; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
Inventor(s): (std): CHOI BERNARD ; CUCCIA DAVID ; DURKIN ANTHONY J ; MAZHAR AMAAN ; TROMBERG BRUCE J
Agent(s): MYERS DAWES ANDRAS AND SHERMAN; DANIEL L; MARCUS C

5) Family number: 44210866 (US2010003619A) © PatBase

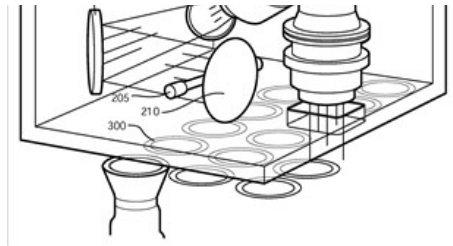
Title: SYSTEMS AND METHODS FOR FABRICATING THREE-DIMENSIONAL OBJECTS

Abstract: Source: US2010003619A Systems and methods for fabricating three-dimensional objects. The system includes an optical imaging system providing a light source; a photosensitive medium adapted to change states upon exposure to a portion of the light source from the optical imaging system; a control system for controlling movement of the optical imaging system, wherein the optical imaging system moves continuously above the photosensitive medium. The method includes moving a maskless optical imaging system providing the light beam in a continuous sequence; presenting the light beam on a portion of the photosensitive medium; lowering a plate upon which the photosensitive medium resides; and applying a new layer of the photosensitive medium.

Classifications:
International (IPC 8-9): B29C35/08 B29C67/00 G03B27/42 G03F7/20 (Advanced/Invention); G03B27/42 G03F7/20 (Core/Invention)
CPC: B29C67/0066 B29C67/0088 B29C35/0805 B33Y10/00 B29C2035/0827 B33Y30/00 B33Y50/02 G03B27/42 G03F7/2057 G03F7/70291 G03F7/70416



European: G03B27/42 G03F7/20S3 G03F7/20T16 G03F7/20T18 G03F7/70F14B
G03F7/70H6
US: 264/401 264/405 355/53 355/53S 425/174.4 430/290 430/290P



Family:

Publication number	Publication date	Application number	Application date
US2010003619 AA	20100107	US20090435776	20090505
US2014103581 AA	20140417	US20130132835	20131218
US2016221262 AA	20160804	US20130076161	20131108
US8636496 BB	20140128	US20090435776	20090505
US9403322 BB	20160802	US20130132835	20131218

Priority:

US20080050383P 20080505 US20090435776 20090505 US20130132835 20131218
US20130076161 20131108 US20120723991P 20121108

Probable Assignee: GEORGIA TECH RES INST

Assignee(s): (std): CILINO PAUL ; DAS SUMAN ; GEORGIA TECH RES INST ; THE UNIV OF MICHIGAN ; UNIV MICHIGAN ; YUAN DAJUN ;
RUDRARAJU ANIRUDH ; HALLORAN JOHN W

Assignee(s): MATTA INDRANI ; MATTA KISHORE ; GEORGIA TECH RESEARCH CORP

Inventor(s): (std): CILINO PAUL ; DAS SUMAN ; HALLORAN JOHN W ; RUDRARAJU ANIRUDH ; YUAN DAJUN

Agent(s): TROUTMAN SANDERS LLP,BANK OF AMERICA PLAZA; TROUTMAN SANDERS LLP BANK OF AMERICA PLAZA; TROUTMAN
SANDERS LLP; RYAN A; ROBERT E; PARKER D

6) Family number: 47546870 (US2010284016A)

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Title: OPTICAL CYTOMETRY

Abstract: Source: US2010284016A The present invention provides optical systems and methods for determining a characteristic of a cell, such as cell type, cellular response to a biochemical event, biological state and the like. The methods typically involve using interferometry to observe membrane properties in a cell and then use this information to determine one or more characteristics of a cell. The methods of the invention are useful for applications such as drug screening as well as diagnostic techniques.

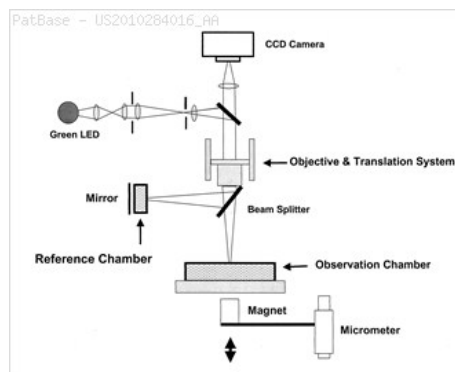
Classifications:

International (IPC 8-9): G01B9/021 G01J3/45 G01N21/00 G01N33/50 G02B21/24
G02B21/36 G02B3/10 (Advanced/Invention)

CPC: G01N33/5008 G01J3/453 G02B5/126 G02B21/0056 G02B21/32

European: G01J3/453 G02B21/00M4A7C G02B21/32 G02B5/126

US: 356/341 356/451 356/451P 356/457 356/457S 359/363 359/363S 359/370
359/370S 359/398 359/398S 359/652 359/652S 435/288.7 435/29



Family:

Publication number	Publication date	Application number	Application date
US2010284016 AA	20101111	US20090436702	20090506
US2014080171 AA	20140320	US20130088992	20131125
US8599383 BB	20131203	US20090436702	20090506

Priority:

US20090436702 20090506 US20130088992 20131125

Probable Assignee: THE UNIV OF CALIFORNIA

Assignee(s): (std): GIMZEWSKI JAMES K ; UNIV CALIFORNIA ; TEITELL MICHAEL A ; REED JASON C

Assignee(s): UNIV OF CALIFORNIA ; NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH
AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH ; NATIONAL
INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; THE UNIV OF
CALIFORNIA ; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

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