

Search history

Search 1: FT=(GLASS~ SHEET~ AND CAMERA~ AND IMAGE~ AND MARK~) (Results 674)

Search 2: 1 and image processing (Results 126)

Title: Liquid crystal cell for acoustical **imaging**

Abstract: Source: US4338821A The invention is related to an acousto-optical liquid crystal cell and the ways of using it in acoustical holography and **imaging** systems. The molecules of the liquid crystal layer can be reoriented in a direction perpendicular to the direction of an ultrasonic wave propagating in the medium. The cell has multi-layered walls providing high acoustical transparency for waves incident at various angles, such that multiple reflexions and parasitic effects in the liquid crystal are reduced. This results in a wide acoustic **imaging** field and high resolving power for details of an acoustic object. This cell makes possible the direct and real-time conversion of an acoustical hologram into a visible **image** representing at will the intensity on the phase variations of ultrasonic waves coming from the internal structures of a body.

Classifications:

International (IPC 8-9): G01H9/00 G01N29/06 G02F1/13 G02F1/33

G10K11/02 (Advanced/Invention);

G01H9/00 G01N29/06 G02F1/13 G10K11/00 (Core/Invention)

International (IPC 1-7): G01H9/00 G01N29/00 G01N29/04 G02F1/11 G02F1/13 G02F1/33 G10K11/02

CPC: G01H9/002 G01N29/06 G01N29/2425 G01N2291/0421

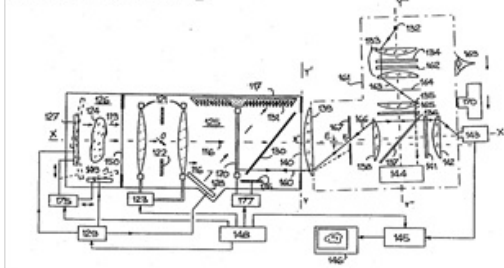
G02F1/13 G10K11/02

European: G01H9/00B G01N29/06 G01N29/24C1 G02F1/13

G10K11/02 S01N291/042B

US: 359/305 73/603

PatBase - US4338821_A



Family:

Publication number	Publication date	Application number	Application date
CA1112750 A1	19811117	CA19780313460	19781013
DE2967058 D1	19840719	DE19792967058	19791012
EP0010492 A2	19800430	EP19790400745	19791012
EP0010492 A3	19800514	EP19790400745	19791012
EP0010492 B1	19840613	EP19790400745	19791012
US4338821 A	19820713	US19790084087	19791012

Priority:

CA19780313460 19781013

Probable Assignee: DION JEAN LUC

Assignee(s): (std): DION JEAN LUC

Assignee(s): DION JEAN LUC 3760 RUE MONTPELLIER TROIS RIVIERES ; DION JEAN LUC 3760 RUE MONTPELLIER TROIS RIVIERES QUEBEC G8

Inventor(s): (std): DION JEAN LUC ; DION JEAN LUC RUE MONTPELLIER

Inventor(s): DION JEAN LUC 3760 RUE MONTPELLIER TROIS RIVIERES ; DION JEAN LUC 3760 RUE MONTPELLIER TROIS RIVIERES QUEBEC G8

Agent(s): ROBIC ROBIC AND ASSOCIES ASSOCIATES

Designated states: DE FR GB

Title: METHOD AND APPARATUS FOR THE THREE-DIMENSIONAL REGISTRATION AND DISPLAY OF PREPARED TEETH

Abstract: Source: US4837732A The method provides a means for a dentist to record the shape in situ of teeth prepared for repair. During a search mode, a high resolution grey scale **image** is presented on a monitor. The scan head is positioned over the prepared cavity, using this visual feedback. A trigger initiates actual 3D data acquisition, which is accomplished in a fraction of a second using an active triangulation principle. The result is stored in congruent memory banks in the form of a 3D profile and a pseudoplastic grey scale **image** representing the back-scattered contrast. The pseudoplastic contrast **image** is displayed instantaneously on the monitor. The point to point relationship between the pseudoplastic grey scale **image** and the 3D profile allows use of the grey scale display as a drawing plane for operator data verification and editing. The contour lines defining the desired restorative implant appear as an overlay to the grey scale **image**, while the actual positional values of points on the contour lines are stored in and retrieved from the 3D profile. The contrast-derived pseudoplastic **image** not only provides higher intelligibility for the operator; but data processing algorithms can also make use for each **image** point of both sets of data, that is the 3D profile and the contrast **image**.

Classifications:

International (IPC 8-9): A61B1/24 A61B5/103 A61B5/107

A61C13/00 A61C19/04 A61C9/00 (Advanced/Invention);

A61C9/00 (Advanced/Non-invention);

A61C9/00 (Core/Non-invention)

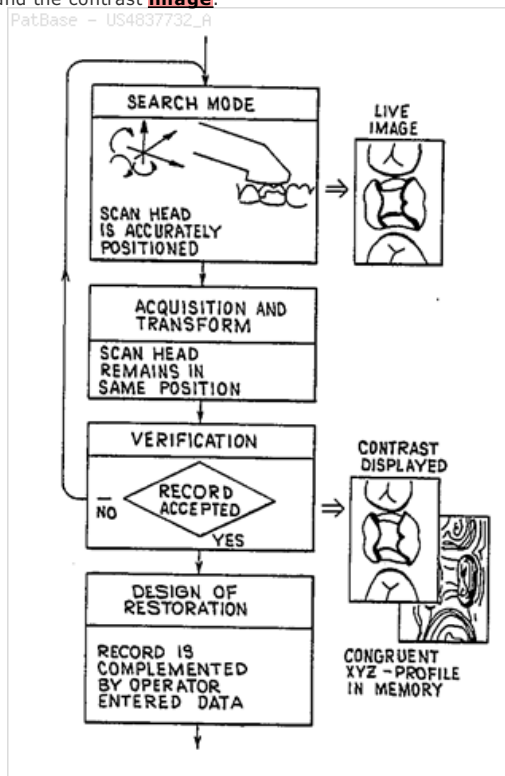
International (IPC 1-7): A61B1/24 A61B5/10 A61C19/04 A61C5/10

A61C9/00 G01B11/24

CPC: A61C9/006 A61C13/0004

European: A61C13/00C1 K61C9/00E

US: 356/376 356/604 364/413.28 433/223 433/29



Family:

Publication number	Publication date	Application number	Application date
AT69369 E	19911115	AT19870108531T	19870612
CH672722 A	19891229	CH19860002512	19860624
DE3774499 D1	19911219	DE19873774499	19870612
EP0250993 A2	19880107	EP19870108531	19870612
EP0250993 A3	19881102	EP19870108531	19870612
EP0250993 B1	19911113	EP19870108531	19870612
JP2654646 B2	19970917	JP19870158771	19870624
JP63023656 A2	19880130	JP19870158771	19870624
US4837732 A	19890606	US19870058462	19870605

Priority:

CH19860002512 19860624 EP19870108531 19870612 JP19870158771 19870624

Probable Assignee: SIRONA DENTAL SYSTEMS GMBH

Assignee(s): (std): BRANDESTINI MARCO ; BRANDESTINI MARCO DR ; MOERMANN WERNER H ; MORMANN WERNER H DR MED DENT ; MORMANN WERNER H

Assignee(s): SIRONA DENTAL SYSTEMS GMBH ; UERUNAA MERUMAN ; MOERMANN WERNER H DR MED DENT ZUERICH CH ; MOERMANN WERNER H DR MED DENT ; BRANDESTINI MARCO DRSCTECHN ; DR SC TECHN MARCO BRANDESTINI ; DR MED DENT WERNER HANS MOERMANN ; MARUKO BURANDESUTEIINI ; BRANDESTINI MARCO DR SC TECHN ; BRANDESTINI MARCO DR SC TECHN ZOLLIKON CH

Inventor(s): (std): MOERMANN WERNER H ; BRANDESTINI MARCO

Inventor(s): BRANDESTINI MARCO DRSCTECHN ; BRANDESTINI MARCO DR SC TECHN ; UERUNAA MERUMAN ; MOERMANN WERNER HANS DR MED DENT ; MARUKO BURANDESUTEIINI

Designated states: AT BE DE FR GB IT NL SE

Title: Apparatus for detecting cut-edge flaws in glass plates

Abstract: Source: US5311276A PCT No. PCT/JP88/01293 Sec. 371 Date Aug. 11, 1989 Sec. 102(e) Date Aug. 11, 1989 PCT Filed Dec. 22, 1988 PCT Pub. No. WO89/06356 PCT Pub. Date Jul. 13, 1989. An apparatus for detecting flaws generated in the cut edges of cut glass plates is disclosed. The light emitted from a linear light source (11 and 21) and transmitted and reflected by a glass plate (1) is received by a one-dimensional **imaging** device (12 and 22), and the flaws in the cut edges of the glass plate are detected by a discriminator (13 and 24) based on the output voltage of the one-dimensional **imaging** device. The linear light source and the one-dimensional **imaging** device are disposed in such a manner that the longitudinal direction of the linear light source and the arranging direction of the **imaging** elements of the one-dimensional **imaging** device are parallel with each other, and that the longitudinal direction of the linear light source and the arranging direction of the **imaging** elements of the one-dimensional **imaging** device are oblique to the travelling direction of the glass plate on a plane parallel with the glass plate.

Classifications:

International (IPC 8-9): G01N21/88 G01N21/89 G01N21/896

G01N21/958 (Advanced/Invention);

G01N21/88 (Core/Invention)

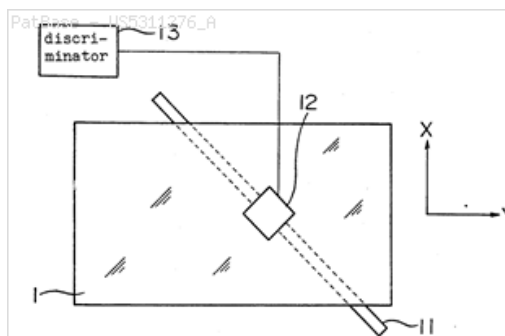
International (IPC 1-7): C03B35/00 G01B11/30 G01N21/59

G01N21/88 G01N21/89

CPC: G01N21/896

European: G01N21/896

US: 356/237 356/239 356/239.1 356/445



Family:

Publication number	Publication date	Application number	Application date
DE3853883 D1	19950629	DE19883853883	19881222
DE3853883 T2	19960208	DE19883853883T	19881222
EP0348526 A1	19900103	EP19890900876	19881222
EP0348526 A4	19910605	EP19890900876	19881222
EP0348526 B1	19950524	EP19890900876	19881222
JP1169343 A2	19890704	JP19870326697	19871225
KR0126401 B1	19971224	KR19890071596	19890823
KR19907000874 A	19900817	KR19897001596	19881222
US5311276 A	19940510	US19890397424	19890811
WO8906356 A1	19890713	WO1988JP01293	19881222

Priority:

JP19870326697 19871225 WO1988JP01293 19881222

Probable Assignee: NIPPON SHEET GLASS CO

Assignee(s): (std): NIPPON SHEET GLASS CO LTD ; NIPPON SHEET GLASS KK ; TOEI DENSHI KOGYO KK

Assignee(s): NIPPON SHEET GLASS CO LTD OSAKA JP ; NIPPON SHEET GLASS CO

Inventor(s): (std): FUJITA MASAKAZU ; IGISU MASAO ; KIZUKA HIDEO ; KONDO SHOICHI ; SATO KENKICHI ; TOYOTA YOSHIOMI ; YOSHIOMI TOYOTA ; TOYOTA YOSHIOMI NIPPON SHEET G ; SATO KENKICHI TOEI ELECTRONICS ; KONDO SHOICHI NIPPON SHEET GLA ; KIZUKA HIDEO TOEI ELECTRONICS ; FUJITA MASAKAZU TOEI ELECTRONI ; TOYODA YOSHIOMI ; KITSUKA HIDEO ; IKISU MASAO ; IGISU MASAO NIPPON SHEET GLASS

Inventor(s): FUJITA MASAKAZU TOEI ELECTRONICS CO LTD ; IGISU MASAO NIPPON SHEET GLASS CO LTD ; KIZUKA HIDEO TOEI ELECTRONICS CO LTD ; KONDO SHOICHI NIPPON SHEET GLASS CO LTD ; SATO KENKICHI TOEI ELECTRONICS CO LTD ; TOYOTA YOSHIOMI NIPPON SHEET GLASS CO LTD ; TOYOTA YOSHIOMI NIPPON SHEET GLASS CO ; TOYOTA YOSHIOMI NIPPON SHEET GLASS CO LTD OSAKA SH ; SATO KENKICHI TOEI ELECTRONICS CO ; SATO KENKICHI TOEI ELECTRONICS CO LTD OTA KU TOKYO ; KONDO SHOICHI NIPPON SHEET GLASS CO ; KONDO SHOICHI NIPPON SHEET GLASS CO LTD OSAKA SHI ; MASAO IGISU ; KIZUKA HIDEO TOEI ELECTRONICS CO ; KIZUKA HIDEO TOEI ELECTRONICS CO LTD OTA KU TOKYO ; IGISU MASAO NIPPON SHEET GLASS CO ; IGISU MASAO NIPPON SHEET GLASS CO LTD OSAKA SHI OS ; FUJITA MASAKAZU TOEI ELECTRONICS CO ; FUJITA MASAKAZU TOEI ELECTRONICS CO LTD OTA KU TOK

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

Title: Apparatus and method for enhancement of **image** viewing by modulated illumination of a transparency

Abstract: Source: US4908876A The human-eye viewing of an **image** on a transparency is enhanced by adaptively modulating illumination of the transparency with an unsharp, complementary representation of the **image**.

Classifications:

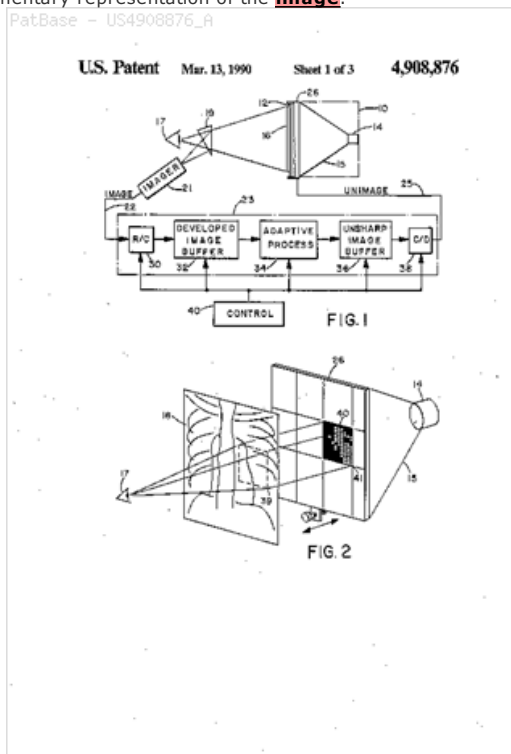
International (IPC 8-9): G02B27/02 G03B27/72 (Advanced/Invention);
G02B27/02 G03B27/72 (Core/Invention)

International (IPC 1-7): G02B27/02 G03B27/72 G06K9/40

CPC: G02B27/026 G03B27/725 G03B27/727

European: G02B27/02C2D G03B27/72B G03B27/72C

US: 349/17 349/24 358/111 359/238 382/128 382/210 382/261
382/264 382/31 382/32 382/54 382/6



Family:

Publication number	Publication date	Application number	Application date
EP0436267 A1	19910710	EP19900300034	19900103
US4908876 A	19900313	US19880169602	19880316

Priority:

EP19900300034 19900103 US19880169602 19880316

Probable Assignee: Z MICROSYSTEMS VISUALIZATION TECHNOLOGIES LLC

Assignee(s): (std): DIGIVISION INC

Assignee(s): ENHANCED VIDEO DEVICES INC ; INNOVATIVE IMAGING SCIENCES INC ; Z MICROSYSTEMS
VISUALIZATION TECHNOLOGIES LLC ; DIGI ENHANCE LLC

Inventor(s): (std): BENYAMIN SAIED ; DEFOREST SHERMAN E ; HIER RICHARD G ; KRUGER ROBERT A ; POWER ROBERT L
; SCHMIDT GREGORY W ; SCHMIDT WILLIAM A

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

Title: Apparatus for detecting a position of an optical **mark**

Abstract: Source: US6141107A The relative positions of an alignment **mark** on a wafer and index **marks** on an index plate within an optical system are detected by **image processing**. The index **marks** are illuminated by an illuminating light which is independent of an illuminating light for the wafer **mark**. An **image** of the wafer **mark** by a return light from the wafer and **images** of the index **marks** by the independent illuminating light are simultaneously picked up by a CCD **image** pickup device and the position of the first **mark** is detected from a combined **image** of these **images** by **image processing**.

Classifications:

International (IPC 8-9): G03F9/00 H01L21/027

H01L21/30 (Advanced/Invention);

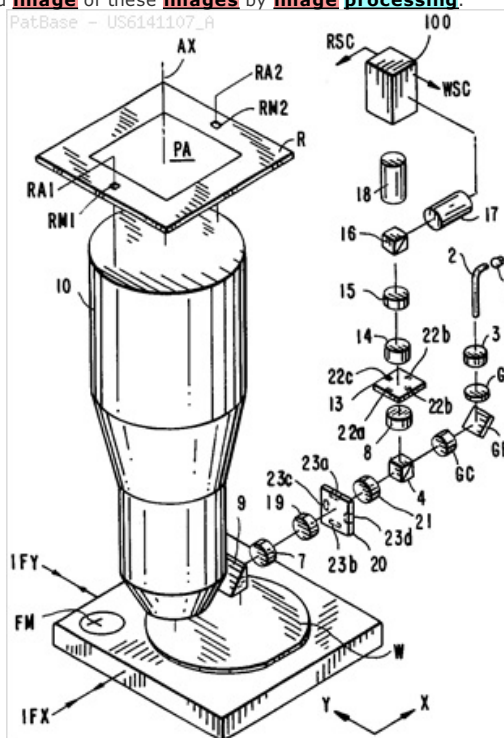
G03F9/00 H01L21/02 (Core/Invention)

International (IPC 1-7): G01N11/00 G03F9/00 H01L21/027

CPC: G03F9/7069 G03F9/7088 G03F9/7092

European: G03F9/70H G03F9/70M G03F9/70N

US: 250/548 356/401



Family:

Publication number	Publication date	Application number	Application date
JP3109107 B2	20001113	JP19910034513	19910228
JP3163669 B2	20010508	JP19910219380	19910806
JP4273246 A2	19920929	JP19910034513	19910228
JP5041343 A2	19930219	JP19910219380	19910806
US6141107 A	20001031	US19950561158	19951121

Priority:

JP19910034513 19910228	JP19910219380 19910806	US19950561158 19951121
US19940290176 19940815	US19930167329 19931215	US19920841833 19920226

Probable Assignee: NIPPON KOGAKU KK

Assignee(s): (std): NIPPON KOGAKU KK

Assignee(s): NIKON CORP

Inventor(s): (std): KAWAKUBO MASA HARU ; MAGOME NOBUTAKA ; NISHI KENJI ; UMAGOME NOBUTAKA ; NISHI TAKECHIKA ; KAWAKUBO SHOJI

Title: Projection exposure apparatus

Abstract: Source: US5272501A A projection exposure apparatus having an irradiation optical system for irradiating a pattern formed on a mask with first irradiation light, a projection optical system for **imaging** and projecting the **image** of the pattern of the mask onto a photosensitive substrate, and a **mark** detection device for irradiating a predetermined **mark** formed on the photosensitive substrate with second irradiation light in a wavelength region which is different from that of the first irradiation light by the projection optical system and detecting light generated from the **mark**, the projection exposure apparatus including: a deflection member disposed on a pupil surface of the projection optical system or in a periphery in an adjacent plane of the same, shielding a beam, which is a portion of the first irradiation light generated from the mask and incident on the projection optical system, and which passes through the peripheral portion of the pupil surface of the projection optical system, deflecting the second irradiation light by a predetermined quantity and passing the deflected second irradiation light, wherein the **mark** detection device includes an irradiation system for emitting the second irradiation light to travel toward the deflection member.

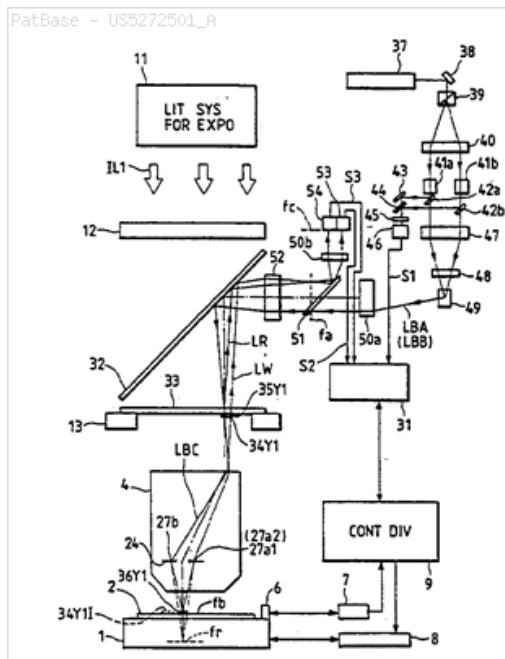
Classifications:

International (IPC 8-9): G01B11/00 G03F7/20 G03F7/22 G03F9/00 H01L21/02 H01L21/027 H01L21/30 H01L21/68 (Advanced/Invention); G01B11/00 G03F7/20 G03F7/22 G03F9/00 H01L21/02 H01L21/67 (Core/Invention)

International (IPC 1-7): G01B11/00 G03B27/42 G03F7/20 G03F7/22 G03F9/00 H01L21/027 H01L21/68

CPC: G03F9/7049

US: 355/43 355/53 355/71 356/401



Family:

Publication number	Publication date	Application number	Application date
JP3230093 B2	20011119	JP19910217087	19910828
JP5055112 A2	19930305	JP19910217087	19910828
JP5152188 A2	19930618	JP19910336260	19911126
JP5206004 A2	19930813	JP19920037232	19920128
US5272501 A	19931221	US19920934340	19920825

Priority:

JP19910217087 19910828 JP19910336260 19911126 JP19920037232 19920128

Probable Assignee: NIPPON KOGAKU KK

Assignee(s): (std): NIPPON KOGAKU KK

Assignee(s): NIKON A OF JAPAN CORP ; NIKON CORP

Inventor(s): (std): NISHI KENJI ; SHIRAIISHI NAOMASA ; NISHI TAKECHIKA ; KAMIYA SABURO

Title: Method of and apparatus for measuring optical distortion

Abstract: Source: US5471297A A method of measuring optical distortion of measured material by disposing a background screen (2) having a predetermined regular pattern (3) in rear of a measured material (1) having light transmission properties; disposing an **image** pick-up device (4) capable of line-scanning in front of the measured material (1); taking a picture of the background screen through the measured material (1) by successively line-scanning the entirety of a range to be measured of the measured material (1) with the **image** pick-up device (4), and measuring the optical distortion of the measured material (1) on the basis of data in the picture, wherein the regular pattern (3) of the background screen is composed of triangle-wave-like unit patterns (3a), each extending continuously in a predetermined direction, which are arranged at distances of equal pitch.

Classifications:

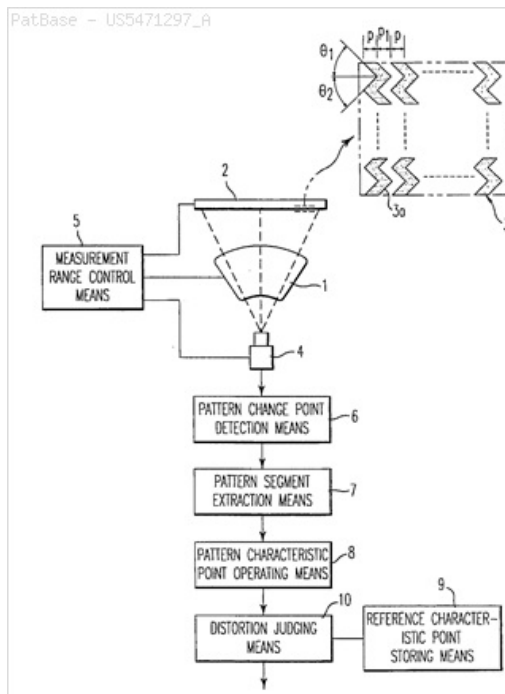
International (IPC 8-9): G01B11/16 G01N21/88 G01N21/896
G01N21/95 G01N21/958 (Advanced/Invention);
G01B11/16 G01N21/88 (Core/Invention)

International (IPC 1-7): G01B11/16 G01N21/41 G01N21/88
G01N21/958

CPC: G01N21/88 G01N21/958 G01N2021/9586

European: G01N21/88 G01N21/896 G01N21/958 S01N21/958W

US: 356/239 356/239.1



Family:

Publication number	Publication date	Application number	Application date
BE1008014 AD	19951212	BE19940000783	19940831
JP3350244 B2	20021125	JP19940230760	19940831
JP7120402 A2	19950512	JP19940230760	19940831
US5471297 A	19951128	US19940296412	19940826

Priority:

JP19930239031 19930831 JP19940230760 19940831

Probable Assignee: ASAHI GLASS CO LTD

Assignee(s): (std): ASAHI GLASS CO LTD

Assignee(s): ASAHI GLASS COMPANY LIMITED ; ASAHI GLASS COMPANY LTD

Inventor(s): (std): TANI HIDETO ; TANI HIDEHITO ; HIDEHITO TANI

Agent(s): NAKAMURA TOMOHIRO; KOIZUMI MASAHIRO; NARUSE KATSUO

Title: Slide blank, and process for producing a slide therefrom

Abstract: Source: US542230A A slide blank comprises a support; a mask layer having a substantially transparent central portion and a non-transparent peripheral portion surrounding the central portion; and an **imageable** layer which is not substantially photosensitive but is **imageable** to form an **image** which can be viewed in transmission. The support, mask layer and **imageable** layer are secured together so that the support and the **imageable** layer extend across essentially the entire transparent central portion of the mask layer, at least the portion of the support adjacent the central portion of the mask layer being substantially transparent. This slide blank can be **imaged** to produce a ready-mounted slide.

Classifications:

International (IPC 8-9): B41M5/00 B41M5/28 B41M5/30 B41M5/323 B41M5/46 (Advanced/Invention);

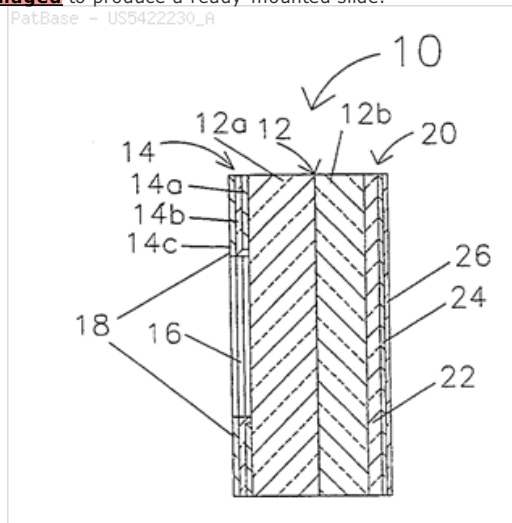
B41M5/28 B41M5/30 B41M5/40 (Core/Invention)

International (IPC 1-7): B41M5/26 B41M5/30 B41M5/38 G03C1/73
G03C7/00

CPC: B41M5/30

European: B41M5/30

US: 40/159.2 40/701 430/11 430/13 430/202 430/256 430/332
430/333 430/338 430/496



Family:

Publication number	Publication date	Application number	Application date
CA2186609 AA	19960926	CA19952186609	19950411
DE69501158 D1	19980115	DE19956001158	19950411
DE69501158 T2	19980326	DE19956001158T	19950411
EP0755333 A1	19970129	EP19950916282	19950411
EP0755333 B1	19971203	EP19950916282	19950411
JP9511954 T2	19971202	JP19950526496T	19950411
US5422230 A	19950606	US19940226452	19940412
WO9527623 A1	19951019	WO1995US04401	19950411

Priority:

US19940226452 19940412 WO1995US04401 19950411

Probable Assignee: INTELLECTUAL VENTURES I LLC

Assignee(s): (std): POLAROID CORP

Assignee(s): WILMINGTON TRUST CO ; POLAROID CORP CAMBRIDGE MASS US ; POLAROID HOLDING CO ; POLAROID EYEWEAR LLC ; POLAROID INT ; POLAROID INVESTMENT LLC ; POLAROID LATIN AMERICA I CORP ; POLAROID NEW BEDFORD REAL ESTATE LLC ; POLAROID NORWOOD REAL ESTATE LLC ; POLAROID WALTHAM REAL ESTATE LLC ; ZINK INC ; POLAROID INT ; SENSIN CAPITAL LLC ; POLAROID INT HOLDING LLC ; POLAROID INT HOLDING LLC ; WILMINGTON TRUST CO COLLATERAL AGENT AS ; POLAROID F K A OEP IMAGING OPERATING COMPANY COR ; POLAROID F K A OEP IMAGING OPERATING CO CORP ; POLAROID FMR OEP IMAGING OPERATING CORP CORP ; POLAROID F K A OEP IMAGING OPERATING COMPANY CORP ; POLAROID CONSUMER ELECTRONICS LLC WAS KNOWN PETTERS CONSUMER ELECTRONICS LLC AS ; TELFER STEPHEN J ; SLAFER WARREN D ; ZURAW MICHAEL J ; BOGGS ROGER A ; INTELLECTUAL VENTURES I LLC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; MORGAN GUARANTY TRUST CO ; MORGAN GUARANTY TRUST CO OF NEW YORK ; OEP IMAGING OPERATING CORP ; OEP IMAGING OPERATING CORP ; POLAROID CAPITAL LLC ; POLAROID ASIA PACIFIC LLC ; PETTERS CONSUMER BRANDS LLC ; PETTERS CONSUMER BRANDS INT ; POLAROID CONSUMER ELECTRONICS LLC WAS KNOWN PET AS ; POLAROID CONSUMER ELECTRONICS INT ; POLAROID EYEWEAR I LLC ; PETTERS CONSUMER BRANDS INT LLC ; POLAROID CONSUMER ELECTRONICS INT LLC WAS KNOWN AS ; POLAROID CONSUMER ELECTRONICS INT LLC WAS KNOWN PETTERS CONSUMER ELECTRONICS INT LLC AS ; POLAROID (F K A OEP IMAGING OPERATING COMPANY) CORP ; POLAROID (FMR OEP IMAGING OPERATING CORP) CORP ; POLAROID CONSUMER ELECTRONICS INT LLC WAS KNOWN AS PETTERS CONSUMER ELECTRONICS INTERNATIONAL LLC.. ; POLAROID CONSUMER ELECTRONICS LLC WAS KNOWN AS PETTERS CONSUMER ELECTRONICS LLC..

Inventor(s): (std): BOGGS ROGER ; BOGGS ROGER A ; SLAFER WARREN ; SLAFER WARREN D ; TELFER STEPHEN ; TELFER STEPHEN J ; ZURAW MICHAEL ; ZURAW MICHAEL J

Inventor(s): ZURAW MICHAEL J ARLINGTON MA 02174 US ; TELFER STEPHEN J ARLINGTON MA 02174 US ; SLAFER WARREN D ARLINGTON MA 02174 US ; BOGGS ROGER A WAYLAND MA 01778 US

Agent(s): SMART AND BIGGAR

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

Title: METHOD AND APPARATUS FOR MANIPULATING FILM

Abstract: Source: US5800646A In releasing a film from stacked films and transporting it to a predetermined position, film suction devices hold the film at two opposite peripheral portions. The suction devices are then lifted together with the film so that the lifted portions approach a center of the film. Ends of the lifted portions is grasped by finger portions while the other films are pressured by a pressing mechanism. The film is further lifted to be released from the other films. The film is then transported and accurately put on a predetermined portion.

Classifications:

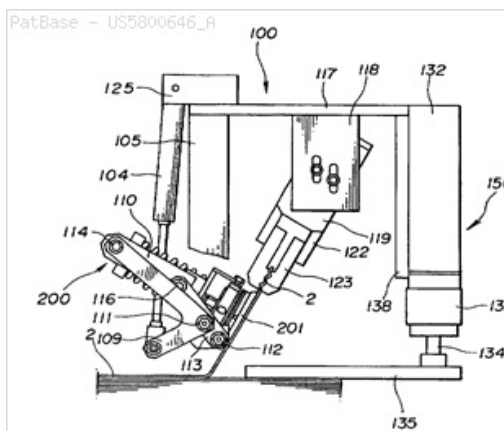
International (IPC 8-9): B25J15/06 B32B17/10 B32B43/00 B60J1/00 B65G47/88 B65G47/91 B65G59/04 B65H3/00 B65H3/08 B65H3/54 B65H5/14 C03C27/12 G01B11/00 G03B21/11 G03B27/47 G03B27/53 (Advanced/Invention); B65G47/88 B65G47/91 (Advanced/Non-invention); B32B43/00 B60J1/00 B65G47/88 B65G47/91 B65G59/02 B65H3/00 B65H3/08 B65H3/54 C03C27/12 G01B11/00 G03B21/10 G03B27/47 G03B27/53 (Core/Invention); B65G47/88 B65G47/91 (Core/Non-invention)

International (IPC 1-7): B25J15/06 B32B17/10 B32B31/04 B32B35/00 B60J1/00 B65G47/88 B65G47/91 B65G59/04 B65H3/00 B65H3/08 B65H3/54 B65H5/14 C03C27/12 G01B11/00 G03B21/11 G03B27/47 G03B27/53

CPC: Y10T156/178 B65H3/0816 B32B17/10954

European: B32B17/10L16K B65H3/08B2

US: 156/100 156/106 156/362 156/379 156/571 156/64



Family:

Publication number	Publication date	Application number	Application date
DE69414988 D1	19990114	DE19946014988	19941221
DE69414988 T2	19990527	DE19946014988T	19941221
EP0659666 A1	19950628	EP19940120320	19941221
EP0659666 B1	19981202	EP19940120320	19941221
JP2763261 B2	19980611	JP19930322596	19931221
JP2788177 B2	19980820	JP19930333115	19931227
JP2812866 B2	19981022	JP19930322597	19931221
JP2908684 B2	19990621	JP19930333114	19931227
JP7178691 A2	19950718	JP19930322596	19931221
JP7178692 A2	19950718	JP19930322597	19931221
JP7187419 A2	19950725	JP19930333115	19931227
JP7190724 A2	19950728	JP19930333114	19931227
US5800646 A	19980901	US19970895689	19970717

Priority:

JP19930322596 19931221 JP19930322597 19931221 US19970895689 19970717
 US19940359386 19941220 JP19930333115 19931227 JP19930333114 19931227

Probable Assignee: CENTRAL GLASS CO LTD

Assignee(s): (std): CENTRAL GLASS CO LTD

Assignee(s): CENTRAL GLASS CO LTD UBE YAMAGUCHI JP ; CENTRAL GLASS COMPANY LIMITED ; SENTORARU GARASU KK ; CENTRAL GLASS CO

Inventor(s): (std): HANE TATSUYA ; SYORI HIDEICHI ; SYORI HIDEICHI C O RESEARCH IN ; MORISHITA TOMOYUKI C O RESEARC ; MAEDA SHIGERU C O RESEARCH INS ; HANE TATSUYA C O RESEARCH INST ; SHORI SHUICHI ; MORISHITA TOMOYUKI ; MAEDA SHIGERU

Inventor(s): HANE TATSUYA C O RESEARCH INST FOR IND MATSUSAKA CITY MIE PREFECTURE JP ; MAEDA SHIGERU C O RESEARCH INST FOR IND... ; HANE TATSUYA C O RESEARCH INST FOR IND... ; MAEDA SHIGERU C O RESEARCH INST FOR IND MATSUSAKA CITY MIE PREFECTURE JP ; HANE TATSUYA C O RESEARCH INST FOR IND MATSUSAKA C ; MAEDA SHIGERU C O RESEARCH INST FOR IND MATSUSAKA ; MORISHITA TOMOYUKI C O RESEARCH INST FOR IND ; SYORI HIDEICHI C O RESEARCH INST FOR IND

Designated states: DE FR GB

Title: Slide blank, and process for producing a slide therefrom

Abstract: Source: US5451478A A slide blank comprises a support at least part of which is essentially transparent; an **imageable** layer superposed on one face of the support, the **imageable** layer not being substantially photosensitive but comprising a color-forming composition, which, upon imagewise exposure to actinic radiation, forms a colored material, thereby forming in the **imageable** layer an **image** which can be viewed in transmission; and a protective layer superposed on the **imageable** layer on the opposed side thereof from the support, at least part of the protective layer being essentially transparent; the support, **imageable** layer and protective layer being secured together to form a slide blank having a thickness of at least about 0.8 mm, and the thickness of the protective layer being such that no part of the **imageable** layer containing the color-forming composition is more than about 0.2 mm from one external surface of the slide blank. This slide blank can be **imaged** to produce a ready-mounted slide.

Classifications:

International (IPC 8-9): B41M5/28 B41M5/30 B41M5/323 B41M5/34 B41M5/382 B41M5/46 G03C1/73 G03C1/76 (Advanced/Invention); B41M5/30 B41M5/327 B41M5/40 (Advanced/Non-invention)

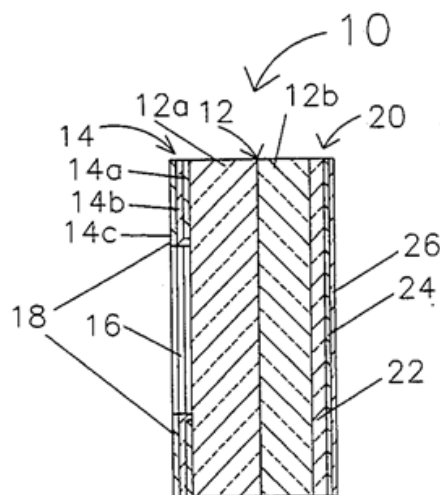
International (IPC 1-7): B41M5/26 B41M5/30 B41M5/38 G03C1/73 G03C1/76

CPC: B41M5/323 B41M5/3275 B41M5/38214 B41M5/465

European: B41M5/30B B41M5/323 B41M5/382A2 B41M5/38A2 L41M5/327B L41M5/46B

US: 40/159.2 430/11 430/17 430/332 430/333 430/338 430/496

PatBase - US5451478_R



Family:

Publication number	Publication date	Application number	Application date
CA2186020 AA	19960919	CA19952186020	19950411
DE69501503 D1	19980226	DE19956001503	19950411
DE69501503 T2	19980430	DE19956001503T	19950411
EP0755334 A1	19970129	EP19950916944	19950411
EP0755334 B1	19980121	EP19950916944	19950411
JP9511953 T2	19971202	JP19950526494T	19950411
US5451478 A	19950919	US19940226657	19940412
WO9527622 A1	19951019	WO1995US04395	19950411

Priority:

US19940226657 19940412 WO1995US04395 19950411

Probable Assignee: INTELLECTUAL VENTURES I LLC

Assignee(s): (std): POLAROID CORP

Assignee(s): WILMINGTON TRUST CO ; POLAROID CORP CAMBRIDGE MASS US ; POLAROID HOLDING CO ; POLAROID EYEWEAR LLC ; POLAROID INT ; POLAROID INVESTMENT LLC ; POLAROID LATIN AMERICA I CORP ; POLAROID NEW BEDFORD REAL ESTATE LLC ; POLAROID NORWOOD REAL ESTATE LLC ; POLAROID WALTHAM REAL ESTATE LLC ; ZINK INC ; POLAROID INT ; POLAROID CONSUMER ELECTRONICS LLC WAS KNOWN PET AS ; SENSHIN CAPITAL LLC ; POLAROID INT HOLDING LLC ; POLAROID INT HOLDING LLC ; WILMINGTON TRUST CO COLLATERAL AGENT AS ; POLAROID F K A OEP IMAGING OPERATING COMPANY COR ; POLAROID F K A OEP IMAGING OPERATING CO CORP ; POLAROID FMR OEP IMAGING OPERATING CORP CORP ; POLAROID F K A OEP IMAGING OPERATING COMPANY CORP ; POLAROID CONSUMER ELECTRONICS LLC WAS KNOWN PETTERS CONSUMER ELECTRONICS LLC AS ; TELFER STEPHEN J ; ZURAW MICHAEL J ; SLAFER WARREN D ; POLAROID CONSUMER ELECTRONICS LLC WAS KNOWN AS PETTERS CONSUMER ELECTRONICS LLC.. ; BOGGS ROGER A ; CONTURIE YVES G ; INTELLECTUAL VENTURES I LLC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; LINDHOLM EDWARD P ; MORGAN GUARANTY TRUST CO ; MORGAN GUARANTY TRUST CO OF NEW YORK ; OEP IMAGINIG OPERATING CORP ; OEP IMAGING OPERATING CORP ; POLAROID CAPITAL LLC ; POLAROID ASIA PACIFIC LLC ; PETTERS CONSUMER BRANDS LLC ; PETTERS CONSUMER BRANDS INT ; POLAROID CONSUMER ELECTRONICS INT ; PLLAROID EYEWEAR I LLC ; PETTERS CONSUMER BRANDS INT LLC ; POLAROID CONSUMER ELECTRONICS INT LLC WAS KNOWN AS ; POLAROID CONSUMER ELECTRONICS INT LLC WAS KNOWN PETTERS CONSUMER ELECTRONICS INT LLC AS ; POLAROID (F K A OEP IMAGING OPERATING COMPANY) CORP ; POLAROID (FMR OEP IMAGING OPERATING CORP) CORP ; POLAROID CONSUMER ELECTRONICS INT LLC WAS KNOWN AS PETTERS CONSUMER ELECTRONICS INTERNATIONAL LLC..

Inventor(s): (std): BOGGS ROGER ; BOGGS ROGER A ; CONTURIE YVES ; CONTURIE YVES G ; LINDHOLM EDWARD ; LINDHOLM EDWARD P ; SLAFER WARREN ; SLAFER WARREN D ; TELFER STEPHEN ; TELFER STEPHEN J ; ZURAW MICHAEL ; ZURAW MICHAEL J

Inventor(s): ZURAW MICHAEL J ARLINGTON MA 02174 US ; TELFER STEPHEN J ARLINGTON MA 02174 US ; SLAFER WARREN D ARLINGTON MA 02174 US ; LINDHOLM EDWARD P BROOKLINE MA 02146 US ; CONTURIE YVES G NEEDHAM MA 02192 US ; BOGGS ROGER A WAYLAND MA 01778 US

Agent(s): SMART AND BIGGAR

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

Title: METHOD OF DETERMINING THE DISTANCE OF A FEATURE ON AN OBJECT FROM A MICROSCOPE, AND A DEVICE FOR CARRYING OUT THE METHOD

Abstract: Source: US5841149A PCT No. PCT/EP95/01301 Sec. 371 Date Dec. 12, 1996 Sec. 102(e) Date Dec. 12, 1996 PCT Filed Apr. 9, 1995 PCT Pub. No. WO95/27917 PCT Pub. Date Oct. 19, 1995 The invention is directed to a surgical microscope in which, to determine the distance between the microscope (8, 13) and the object (22), the travel time of a beam of light (57c) emanating from the microscope and reflected by the object is determined. The travel time is determined by phase measurement or by interference matching. In the case of direct phase measurement, modulated light is used. In the case of interference matching, partly coherent light is used. In order to ensure high accuracy over wide measurement range, the two measurement methods are preferably used in combination.

Classifications:

International (IPC 8-9): A61B19/00 G01B11/00 G01B11/02 G01B11/03 G01B9/04 G01C3/06 G01S17/32 G01S17/42 G01S17/87 G01S17/88 G01S5/16 G01S7/481 G02B21/00 (Advanced/Invention); A61B19/00 (Advanced/Non-invention); A61B19/00 (Core/Non-invention)

International (IPC 1-7): A61B19/00 A61B3/10 G01B11/00 G01B11/02 G01B11/14 G01B11/24 G01B9/02 G01B9/04 G01C3/06 G01N21/86 G02B21/00 G02B21/22 G02B9/04

CPC: A61B90/20 G01S7/4811 G01B9/04 G01B11/026 G01S5/163 G01S17/32 G01S17/42 G01S17/875 G01S17/88 G02B21/0012

European: G01B11/02D G01B9/04 G01S17/32 G01S17/42 G01S17/87C G01S17/88 G01S5/16B G01S7/481B G02B21/00M2 K61B19/52F

US: 250/201.3 250/559.29 351/212 356/152.1 356/359 356/372 356/375 356/376 356/511 356/612 356/614 359/377

PatBase - US5841149_A

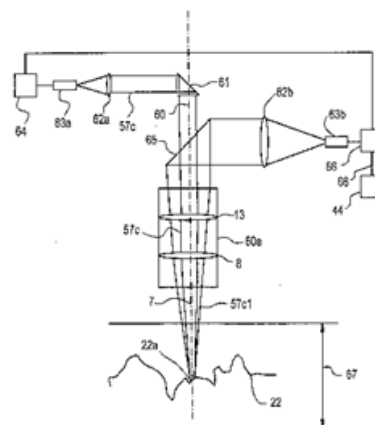
U.S. Patent

Nov. 24, 1998

Sheet 1 of 6

5,841,149

FIG. 1



Family:

Publication number	Publication date	Application number	Application date
DE59508455 D1	20000713	DE19955008455	19950409
DE59508722 D1	20001019	DE19955008722	19950409
DE59510540 D1	20030227	DE19955010540	19950409
DE59510912 D1	20040715	DE19955010912	19950409
EP0755530 A1	19970129	EP19950914354	19950409
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EP0801760 A1	19971022	EP19950914352	19950409
EP0801760 B1	20000913	EP19950914352	19950409
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EP0822436 B1	20030122	EP19970119033	19950409
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EP0827002 B1	20040609	EP19970119034	19950409
JP9511579 T2	19971118	JP19950526082T	19950409
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US5953114 A	19990914	US19960722019	19961211
US6043890 A	20000328	US19990252230	19990218
WO9527917 A1	19951019	WO1995EP01301	19950409
WO9527918 A2	19951019	WO1995EP01311	19950409
WO9527918 A3	19960321	WO1995EP01311	19950409

Priority:

CH19940001088 19940411	CH19940001089 19940411	CH19940001090 19940411
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WO1995EP01301 19950409	WO1995EP01311 19950409	

Probable Assignee: LEICA INSTRUMENTS SINGAPORE PTE LTD

Assignee(s): (std): BRAUNECKER BERNHARD ; LEICA AG ; LEICA MICROSYSTEMS AG ; LEICA MIKROSKOPIE SYS AG ; LEICA MICROSYSTEMS SCHWEIZ AG ; LEICA MICROSYSTEMS ; LEICA MICROSYSTEMS HEERBRUG AG ; SPINK ROGER ; ZIMMER KLAUS PETER ; MAYER THOMAS ; ROGERS JOHN RICE ; LEICA MIKROSKOPIE SYSTEME H AG ; LEICA MIKROSKOPIE SYSTEME AG H ; LEICA MICROSYSTEMS AG HEERBRUG

Assignee(s): LEICA MIKROSKOPIE SYSTEME AG HEERBRUGG ; LEICA MICROSYSTEMS SCHWEIZ HEERBRUGG AG ; LEICA MICROSYSTEMS SCHWEIZ AG HEERBRUGG ; LEICA MICROSYSTEMS (SCHWEIZ) AG ; LEICA MICROSYSTEMS HEERBRUGG AG ; VALLEY IND ; NBD BANK ; VALLEY IND LLC ; LEICA MIKROSKOPIE SYSTEME HEERBRUGG AG ; LEICA MIKROSKOPIE SYSTEME AGHEERBRUGG ; LEICA MIKROSKOPIE

SYSTEME AG ; LEICA MICROSYSTEMS AG HEERBRUGG ; LEICA AGHEERBRUGG ; LEICA GEOSYSTEMS
AG ; LEICA GEOSYSTEMS AGHEERBRUGG ; LEICA INSTRUMENTS (SINGAPORE) PTE LTD ; LEICA
INSTRUMENTS PTE LTD ; LEICA INSTRUMENTS SINGAPORE PTE LTD

Inventor(s): (std): BRAUNECKER BERNHARD ; MAYER THOMAS ; ROGERS JOHN RICE ; ROGERS RICE ; SPINK ROGER ;
ZIMMER KLAUS PETER

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

Title: Method and apparatus for performing amplification of nucleic acids on supports

Abstract: Source: US2002061532A This invention features methods, apparatus and kits for performing nucleic acid hybridization and amplification reactions on a support. Such methods and apparatus are useful in diagnostic and therapeutic processes for synthesizing nucleic acid and detecting target nucleic acids in a sample.

Classifications:

International (IPC 8-9): C12N15/09 C12P19/34

C12Q1/68 (Advanced/Invention);

C12N15/09 C12Q1/68 (Core/Invention)

International (IPC 1-7): C07H21/02 C07H21/04 C07K16/00

C12N15/09 C12P19/34 C12Q1/68 C12Q1/70 G01N33/53

CPC: C12Q1/6862 C12Q1/6834 C12Q1/686

European: C12Q1/68B10 C12Q1/68D4 C12Q1/68D6

US: 435/5 435/5S 435/6 435/6.1 435/6.12 435/6.120P 435/6.14

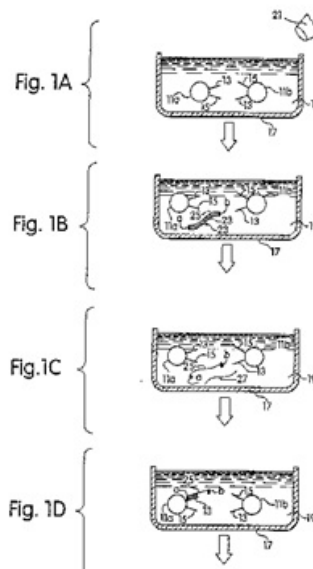
435/6.18 435/6P 435/7.1 435/7.100S 435/91.1 435/91.100S

435/91.2 435/91.200S 435/91.21 530/387.1 530/387.100S 536/23.1

536/24.3 536/24.300S 536/24.31 536/24.32 536/24.33

PatBase - US2002061532_AA

Patent Application Publication May 23, 2002 Sheet 1 of 22 US 2002/0061532 A1



Family:

Publication number	Publication date	Application number	Application date
AT216729 E	20020515	AT19950930794T	19950803
AU199861460 A1	19980908	AU19980061460	19980209
CA2196604 AA	19970131	CA19952196604	19950803
DE69526511 D1	20020529	DE19956026511	19950803
EP0784701 A1	19970723	EP19950930794	19950803
EP0784701 B1	20020424	EP19950930794	19950803
JP10505492 T2	19980602	JP19960506785T	19950803
US2002061532 AA	20020523	US20010969287	20011002
US5641658 A	19970624	US19940285385	19940803
US6060288 A	20000509	US19970800840	19970214
US6090592 A	20000718	US19970776859	19970529
US6468751 BA	20021022	US20000591168	20000609
WO9604404 A1	19960215	WO1995US09905	19950803
WO9836094 A1	19980820	WO1998US02225	19980209

Priority:

US19940285385	19940803	US19970776859	19970529	US19970800840	19970214
US19990317054	19990524	US20000591168	20000609	US20010969287	20011002
WO1998US02225	19980209	WO1995US09905	19950803		

Probable Assignee: ILLUMINA INC

Assignee(s): (std): MOSAIC TECHNOLOGIES ; MOSAIC TECHNOLOGIES INC ; WHITEHEAD BIOMEDICAL INST ; WHITEHEAD FOR BIOMEDICAL RESEA ; ADAMS CHRISTOPHER P ; KRON STEPHEN JOSEPH

Assignee(s): MMC GATX PARTNERSHIP NO ; ILLUMINA INC ; WHITEHEAD INST ; TRANSAMERICA BUSINESS CREDIT CORP ; ZERO STAGE CAPITAL V LTD ; SOLSTICE CAPITAL LTD ; THOMAS P ; VOGEL ELDA FRANKY ; SOLEXA INC ; SMITH BRUCE F ; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH ; WHITEHEAD FOR BIOMEDICAL RESEARCH ; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH CAMBRI ; SOLSTICE CAPITAL PARTNERSHIP LTD ; WHITEHEAD INST FOR BIOMEDICAL RESEARCH ; ZERO STAGE CAPITAL V PARTNERSHIP LTD ; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH CAMBRIDGE ; WHITEHEAD INST FOR BIOMEDICAL RESEARCH CAMBRIDGE ; MOSAIC TECHNOLOGIES 1106 COMMW ; MOSAIC TECHNOLOGIES INC 1106 COMMW ; MT TECHNOLOGY INC ; MMC GATX PARTNERSHIP NO 1 ; SMITH AS ASSIGNEE FOR BENEFIT OF CREDITORS OF MOSA ; MT TECHNOLOGY INC WAS KNOWN AS MOSAIC TECHNOLOGIES ; SMITH ASSIGNEE FOR BENEFIT OF CREDITORS OF MOSAIC ; MT TECHNOLOGY INC WAS KNOWN AS MOSAIC TECHNOLOGIES INC.. ; SMITH ASSIGNEE FOR BENEFIT OF CREDITORS OF MOSAIC TECHNOLOGIES INC BRUCE F AS

Inventor(s): (std): KRON STEPHEN JOSEPH ; BOLES TRUETT C ; KRON STEPHEN J ; ADAMS CHRISTOPHER P ; MUIR ANDREW R

Inventor(s): STEPHEN J KRON ; TRUETT C BOLES ; ANDREW R MUIR ; CHRISTOPHER P ADAMS

Agent(s): BORDEN LADNER GERVAIS LLP

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

Title: **Image processing** apparatus

Abstract: Source: US6097430A An **image processing** apparatus comprises an **image** inputting section having a photographing lens, a semiconductor **image** pickup element, such as a CCD, an A/D converting section for converting an obtained **image** signal to a digital signal, **image** correcting sections for subjecting respective **images** which are obtained at a plurality of **image** inputting sections to correction in terms of geometric displacement due to optical aberration, an **image** composing section for joining corrected **images**, a monitor and a printer. When a plurality of **images** are to be joined, a geometric displacement, such as aberration of the photographing lens, is corrected on a to-be-composed **image** on the basis of the photographing condition so that a joined **image** is obtained.

Classifications:

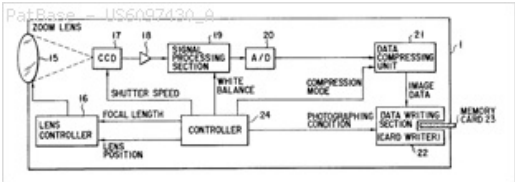
International (IPC 8-9): H04N1/195 H04N1/32
H04N5/262 (Advanced/Invention)

International (IPC 1-7): H04N5/225 H04N5/262

CPC: H04N1/195 H04N1/32128 H04N5/23238 H04N5/2624
H04N5/2628 H04N2201/0414 H04N2201/0436 H04N2201/3225
H04N2201/3274

European: H04N1/195 H04N1/32C17 H04N5/232M H04N5/262M
H04N5/262T T04N201/04B16 T04N201/04B4 T04N201/32C4
T04N201/32C9

US: 348/218 348/218.1 348/231.99 348/335 348/E05.053 348/E05.055 348/E5.053 348/E5.055



Family:

Publication number	Publication date	Application number	Application date
JP8116490 A2	19960507	JP19940249344	19941014
US6097430 A	20000801	US19950541644	19951010
US6211911 BA	20010403	US19990313032	19990517

Priority:

JP19940249344 19941014 US19950541644 19951010 US19990313032 19990517

Probable Assignee: OLYMPUS OPTICAL CO LTD

Assignee(s): (std): OLYMPUS OPTICAL CO

Assignee(s): OLYMPUS OPTICAL CO LTD ; OLYMPUS CORP

Inventor(s): (std): KOMIYA YASUHIRO ; OURA KOUTATSU ; OU KOUTATSU

Inventor(s): WANG KANGDA

Title: Method of and apparatus for detecting defect of transparent sheet as sheet glass

Abstract: Source: US5691811A A method of detecting a defect of a transparent sheet is provided in which light source casts light on a transparent sheet through a slit plate, a camera receives the light transmitted through the transparent sheet and produces an image for inspection of a defect, an image of the slit plate produced by the camera is out of focus and represented by a waveform which is representative of brightness of the light transmitting portions and shading portions of the slit plate, and the camera is set to focus on a point where the difference between a maximum brightness and a minimum brightness represented by the waveform becomes minimum or on a point adjacent thereto. An apparatus for detecting a defect of a transparent sheet is also provided.

Classifications:

International (IPC 8-9): G01N21/88 G01N21/896 G01N21/95
G01N21/958 G06T1/00 (Advanced/Invention);
G01N21/88 G06T1/00 (Core/Invention)

International (IPC 1-7): G01N21/00 G01N21/88 G01N21/89
G01N21/958 G06T1/00 G06T7/00

CPC: G01N21/896

European: G01N21/896

US: 250/562 250/563 356/237 356/239.1 356/430

PatBase -. US5691811_A

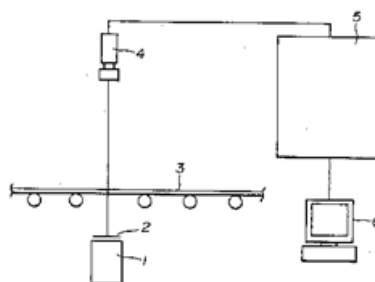
U.S. Patent

Nov. 25, 1997

Sheet 1 of 6

5,691,811

FIG.1



Family:

Publication number	Publication date	Application number	Application date
EP0726457 A2	19960814	EP19960101910	19960209
EP0726457 A3	19961211	EP19960101910	19960209
JP3178644 B2	20010625	JP19950022432	19950210
JP8220021 A2	19960830	JP19950022432	19950210
US5691811 A	19971125	US19960598291	19960208

Priority:

JP19950022432 19950210

Probable Assignee:

CENTRAL GLASS CO LTD

Assignee(s): (std):

CENTRAL GLASS CO LTD

Assignee(s):

CENTRAL GLASS COMPANY LIMITED

Inventor(s): (std):

KIHIRA HIROSHI

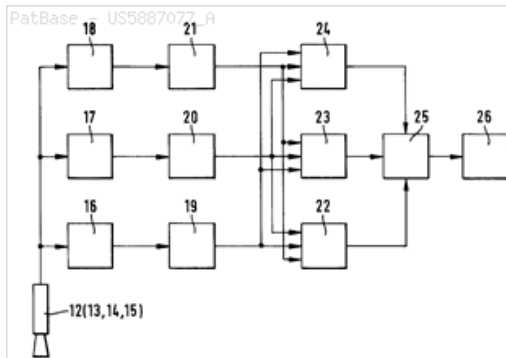
Designated states:

DE FR GB IT

Abstract: Source: US5887077A The recognition and evaluation of locally limited colour defects in a reflective surface coating on a glass plate are carried out by digital data processing of an **image** delivered by a colour video **camera**. To this end, the coated glass plate (1) is illuminated using white light, and the light reflected by the surface coating (3) is made visible on a projection screen (6). The **image** appearing on the projection screen (6) is acquired by one or more colour video **cameras** (12, 13, 14, 15). For each of the three primary colours of the surface acquired by the colour video **camera**, the luminance is determined for each pixel. The relative colour fraction is determined by dividing the determined luminance values of each primary colour by the sum of the luminance values of the three primary colours at the corresponding pixels. The relative colour fractions are compared with predetermined set values.

International (IPC 8-9): G01B11/30 G01J1/02 G01J1/42 G01J3/46
G01J3/50 G01N21/27 G01N21/88 G01N21/89 G01N21/93
G01N21/958 H04N7/18 (Advanced/Invention);
G01N21/896 G01N21/95 H04N7/18 (Advanced/Non-invention);
G01J3/46 G01J3/50 G01N21/25 G01N21/88 (Core/Invention);
G01N21/88 (Core/Non-invention)

US: 382/149 382/165



Publication number	Publication date	Application number	Application date
AT211820 E	20020115	AT19950401909T	19950818
CN1099032 C	20030115	CN19961007312	19960314
CN1147634 A	19970416	CN19961007312	19960314
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DE69524939 T2	20020905	DE19956024939T	19950818
DK0732579 T3	20020429	DK19950401909T	19950818
EP0732579 A2	19960918	EP19950401909	19950818
EP0732579 A3	19980107	EP19950401909	19950818
EP0732579 B1	20020109	EP19950401909	19950818
ES2170128 T3	20020801	ES19950401909T	19950818
JP8292156 A2	19961105	JP19960059225	19960315
KR100399507 B1	20031224	KR19960007473	19960314
KR19960036673 A	19961028	KR19960007473	19960314
PT732579 T	20020628	PT19950401909T	19950818
US5887077 A	19990323	US19960614606	19960313

DE19951009345 19950315	DE19951009345U 19950315	EP19950401909 19950818
DE19956024939 19950818	EP20190509345 19950315	

Assignee(s): (std): GLASWERKE GMBH VER ; SAINT GOBAIN ; SAINT GOBAIN GLASS DEUTSCHLAND ; SAINT GOBAIN VITRAGE ; SAINT GOBAIN GLASS FRANCE ; VER GLASWERKE GMBH ; VEGLA VEREINIGTE GLAS
WERKE GM

Inventor(s): (std): WILDE EKKEHARD ; W BONGARDT ; MARUTEIN RORETSUKU ; MARTIN LOREK ; M LOREK ; LOREK MARTIN ; ETSUKEHARUTO BIRUDE ; EKKEHARD WILDE ; E WILDE ; BORUFUGANGU BONGARUTO ; BONGARDT WOLFGANG ; WILDE E ; LOREK M ; BONGARDT W ; BONGARDT WOLFGANG DR ; WOLFGANG BONGARDT

Inventor(s): WILDE EKKEHARD 51427 BERGISCH GLADBACH DE ; BONGARDT WOLFGANG DR 52146 WUERSELEN DE ; LOREK MARTIN 52355 DUEREN DE

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

Title: Self calibrating scanner with single or multiple detector arrays and single or multiple optical systems

Abstract: Source: US6122078A A system for scanning and digitizing large **images** using a reseau for accuracy without obscuring the **image** to be scanned. The system uses two separate CCD photoreceptor arrays which are fixed in a rigid position with respect to each other and any accompany lenses and mirrors. In one embodiment, a first CCD photoreceptor array is used to scan the **image** while the second CCD photoreceptor array simultaneously scans the reseau. In a second embodiment, a single CCD photoreceptor array is used to first scan the reseau and then to scan the **image**. One illumination source illuminates the reseau while second illumination source illuminates the **image**. The arrangement of the lens(es) and the photoreceptor arrays allows the determination of any displacement of the scanner along the X-axis, Y-axis, and Z-axis, as well as the determination of any rotation of the scanner around the X-axis, Y-axis, or Z-axis. The position and attitude of the scanner, as determined by scanning the reseau, is used to correct any errors in the resulting **image** that are caused by displacement or rotation of the scanner. A large **image** can be scanned in separate but overlapping swaths, the overlap being used to align the swaths to create a final seamless digital **image** from the assembled swaths.

Classifications:

International (IPC 8-9): G01C11/04 H04N1/047 H04N1/10

H04N1/191 (Advanced/Invention);

H04N1/10 (Advanced/Non-invention)

International (IPC 1-7): G01C11/04 H04N1/04 H04N1/10

CPC: G01C11/04 H04N1/047 H04N1/10 H04N1/1911 H04N2201/0414

H04N2201/04703 H04N2201/04712 H04N2201/04787

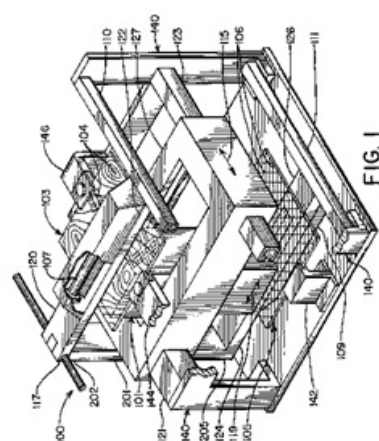
European: G01C11/04 H04N1/047 H04N1/191B T04N1/10

T04N201/047D2 T04N201/047D3B T04N201/047E4D T04N201/04B4

US: 250/208.1 356/400 358/474 358/486 358/487 358/488 358/494 358/497 382/113 382/193

PatBase - US6122078_A

U.S. Patent Sep. 19, 2000 Sheet 1 of 26 6,122,078



Family:

Publication number	Publication date	Application number	Application date
AT197347 E	20001115	AT19960929481T	19960826
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DE69610846 D1	20001207	DE19966010846	19960826
DE69610846 T2	20010607	DE19966010846T	19960826
EP0846250 A1	19980610	EP19960929481	19960826
EP0846250 B1	20001102	EP19960929481	19960826
EP1018634 A2	20000712	EP20000107777	19960826
EP1018634 A3	20000802	EP20000107777	19960826
US6122078 A	20000919	US19950518920	19950824
US6288801 BA	20010911	US19980187255	19981106
US6417936 BA	20020709	US19980187254	19981106
WO9708511 A1	19970306	WO19961800973	19960826

Priority:

EP19960929481 19960826 US19950518920 19950824 US19980187255 19981106
 WO19961800973 19960826 US19980187254 19981106

Probable Assignee: MATTUN INC

Assignee(s): (std): LEBERL FRANZ W ; VEXCEL IMAGING GMBH GRAZ ; VEXCEL IMAGING GMBH

Assignee(s): MATTUN INC ; LEBERL FRANZ W ST PETER HAUPTSTRASSE ; GRUBER MICHAEL ; JORDE CHRISTIAN

Inventor(s): (std): GRUBER MICHAEL ; JORDE CHRISTIAN ; LEBERL FRANZ W ; LEBERL W

Inventor(s): CHRISTIAN JORDE ; FRANZ W LEBERL ; MICHAEL GRUBER

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG UZ VN

Title: Method of forming **images**

Abstract: Source: US5756269A Methods of forming color **images** having excellent graininess and sharpness by simple heat development processing are disclosed.\|

Classifications:

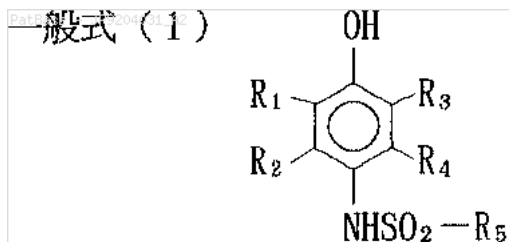
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G03C7/46 G03C8/00 G03C8/40 G06T1/00 G06T11/60 H04N1/00
H04N1/04 H04N1/46 (Advanced/Invention);
H04N1/46 (Advanced/Non-invention);
G03C1/42 G03C1/498 G03C1/795 G03C7/00 G03C7/20 G03C7/30
G03C7/392 G03C7/407 G03C7/42 G03C7/46 G03C8/00 G03C8/40
G06T1/00 G06T11/60 H04N1/00 H04N1/04 H04N1/46 (Core/Invention);
H04N1/46 (Core/Non-invention)

International (IPC 1-7): G03C1/42 G03C1/498 G03C1/795
G03C7/00 G03C7/20 G03C7/30 G03C7/392 G03C7/407 G03C7/42
G03C7/46 G03C8/00 G03C8/32 G03C8/40 G06T1/00 H04N1/00 H04N1/04 H04N1/46

CPC: G03C1/42 G03C1/49827 G03C7/3041 G03C8/4013 G03C2007/3043 G03C2200/43

European: G03C1/498D G03C7/30S G03C8/40T S03C1/42 S03C200/43 S03C7/30S S03C7/30S1 S03C8/40T

US: 430/203 430/351 430/362 430/380 430/404 430/434



Family:

Publication number	Publication date	Application number	Application date
EP0762201 A1	19970312	EP19960113485	19960822
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EP1271234 A3	20030129	EP20020018201	19960822
JP3652433 B2	20050525	JP19960030103	19960125
JP3691595 B2	20050907	JP19960182551	19960711
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US5756269 A	19980526	US19960701018	19960821
US5858629 A	19990112	US19970980429	19971128

Priority:

EP19960113485 19960822	EP19960113485 19960822	JP19950234600 19950822
JP19960030103 19960125	JP19960182551 19960711	JP19950268045 19950922
JP19960199384 19960729	US19970980429 19971128	US19960701018 19960821

Probable Assignee: FUJIFILM CORP

Assignee(s): (std): FUJI PHOTO FILM CO LTD

Assignee(s): FUJIFILM CORP ; FUJI PHOTO FILM CO

Inventor(s): (std): ISHIKAWA SHUN ICHI ; ISHIKAWA SHUNICHI ; MATSUMOTO KAZUHIKO ; TAGUCHI TOSHIKI

Designated states: BE CH DE FR GB IT LI NL

Title: METHOD AND APPARATUS FOR HIGH DENSITY FORMAT SCREENING FOR BIOACTIVE MOLECULES

Abstract: Source: US2004185432A A method and apparatus for screening an array of test compounds for bioactivity by contacting an array of test compounds with a detector layer capable of detecting bioactivity, and detecting a detector layer response. The detector layer is comprised of physiologically viable cells. The method and apparatus allow a large number of test compounds to be simultaneously assayed in parallel without the need for complex fluidic devices.

Classifications:

International (IPC 8-9): G01N33/50 G01N33/52 G01N33/53

G01N33/543 (Advanced/Invention);
G01N33/50 G01N33/52 G01N33/53 G01N33/543 (Core/Invention)

International (IPC 1-7): A01N1/02 C12M3/00 C12Q1/00 C12Q1/68
G01N33/50 G01N33/52 G01N33/53 G01N33/543

CPC: Y10S436/80 Y10S436/809 Y10S436/815 G01N33/502
B01J2219/00659 B01J2219/00702 G01N33/5008 G01N33/5079
G01N33/525 G01N33/53 G01N33/54386 Y10T436/12 Y10T436/25

European: G01N33/50D2 G01N33/50D2E G01N33/50D2H2

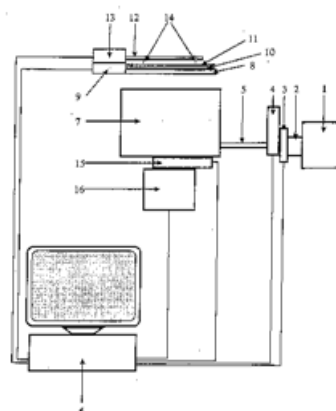
G01N33/52C G01N33/53 G01N33/543K4 L01J219/00C4L12
L01J219/00C6P

US: 42/25.1 42/25.2 42/25.5 42/25.6 42/25.8 42/26.81 42/26.9
42/28.1 42/28.205 42/28.207 422/101 422/50 422/504 422/51
422/52 422/55 422/56 422/58 422/68.1 422/69 422/81 422/82.05
422/82.07 43/5.72 43/5.792 43/63.4 43/65.5 435/177 435/178
435/179 435/180 435/182 435/286.1 435/287.1 435/287.7 435/395
435/4 435/401 435/7.1 435/7.2 435/7.200 435/7.92 435/71 435/72
436/147 436/162 436/164 436/165 436/169 436/172 436/174 436/34
436/501 436/55 436/800 436/809 436/815

PatBase - US2004185432_AA

Patent Application Publication Sep. 23, 2004 Sheet 1 of 12 US 2004/0185432 A1

Fig. 1 Schematic view of equipment; not to scale



Family:

Publication number	Publication date	Application number	Application date
AT278954 E	20041015	AT19990900262T	19990108
AU199918872 A1	19990726	AU19990018872	19990108
DE69920874 D1	20041111	DE19996020874	19990108
EP1047939 A1	20001102	EP19990900262	19990108
EP1047939 B1	20041006	EP19990900262	19990108
US2004185432 AA	20040923	US20040815747	20040402
US2005112697 AA	20050526	US20030725463	20031203
US6790652 BA	20040914	US19990227518	19990108
WO9935496 A1	19990715	WO1999IB00121	19990108

Priority:

US19980070792P 19980108 US19990227518 19990108 US20040815747 20040402
US20030725463 20031203 WO1999IB00121 19990108

Probable Assignee: FISHER BIOIMAGE APS

Assignee(s): (std): BIOIMAGE A S ; BIOIMAGE AS ; NOVONORDISK AS ; BIOLMAGE A S ; BIOIMAGE AS SOEBORG ; NOVO NORDISK AS

Assignee(s): BIOIMAGE SOEBORG AS ; NOVO NORDISK A S NOVO ALLEDK ; FISHER BIOIMAGE APS ; NOVO NORDISK A S ; BIOIMAGE A S MORKHOJ BYGADE ; BIOIMAGE A S SOEBORG

Inventor(s): (std): ARKHAMMAR OLAF ; ARKHAMMAR PER OLAF GUNNAR ; SCUDDER KURT MARSHALL ; SCUDDER MARSHALL ; TERRY BERNARD ROBERT ; TERRY ROBERT ; THASTRUP OLE ; TERRY BERNARD R ; SCUDDER KURT M ; ARKHAMMAR PER OLAF G ; PER OLAF GUNNAR ARKHAMMAR ; OLE THASTRUP ; KURT MARSHALL SCUDDER ; BERNARD ROBERT TERRY ; ARKHAMMAR PER OLAF GUNNAR

Inventor(s): ARKHAMMAR PER OLAF ; TERRY BERNARD ; SCUDDER KURT

Agent(s): BIRCH STEWART KOLASCH AND BIRCH

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU 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 SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: PLATE GLASS SHATTER TESTING METHOD, DEVICE, **IMAGING** METHOD FOR GLASS TESTING AND **IMAGE** SIGNAL PROCESSING METHOD

Abstract: Source: US6766046B A sheet screen is provided on one of sides of test glass, and a projected **image** of the test glass is electronically and directly picked up. After tone **image** signals of the test glass thus picked up are binarized while modifying threshold values according to brightness of a background in the tone **image**, the number of fragments, the area of the greatest fragment and the length of the longest fragment are calculated. Thus, operations, such as calculating the number of the fragments, can be automatically performed by directly picking up an **image** of the test glass, allowing a fragmentation test to be carried out with good operability and high precision.

Classifications:

International (IPC 8-9): G01N21/86 G01N21/88 G01N21/896 G01N21/95 G01N21/958 G01N3/30 G01N33/38 (Advanced/Invention); G01N21/86 G01N21/88 G01N3/30 G01N33/38 (Core/Invention)

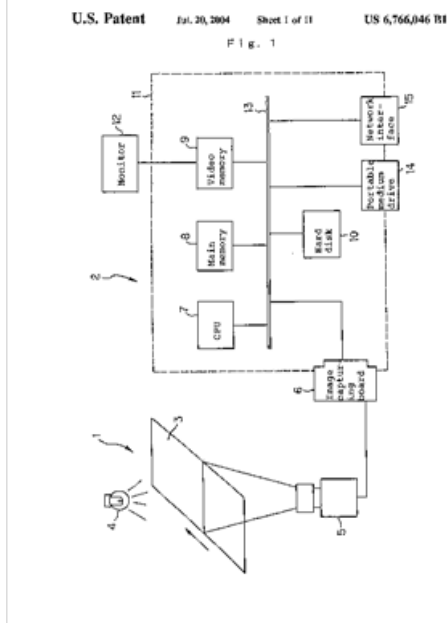
International (IPC 1-7): G01N21/86 G01N21/88 G01N3/30 G01N33/38 G06K9/00 G06T1/00 G06T5/00 G06T7/60

CPC: G01N3/30 G01N21/86 G01N21/896 G01N33/386 G01N2203/0062 G01N2203/0647 G01N2021/9586

European: G01N21/86 G01N21/896 G01N3/30 G01N33/38F S01N203/00P1C S01N203/06E1 S01N3/00P1C

US: 382/141

PatBase - US6766046_BA



Family:

Publication number	Publication date	Application number	Application date
EP0978717 A1	20000209	EP19990934337	19990218
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JP11316179 A2	19991116	JP19990037367	19990216
JP3874562 B2	20070131	JP19990037367	19990216
US6766046 BA	20040720	US19990403023	19991229
WO9942807 A1	19990826	WO1999JP00698	19990218

Priority:

JP19980037679 19980219 JP19990037367 19990216 WO1999JP00698 19990218

Probable Assignee: ASAHI GLASS CO LTD

Assignee(s): (std): ASAHI GLASS CO LTD ; NIPPON CONTROL SYSTEM CORP ; NIPPON CONTROL SYSTEM KK ; SAITO HITOSHI ; TAJIMA TETSUO

Inventor(s): (std): SAITO HITOSHI ; TAJIMA TETSUO

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

Title: Inspection system for inspecting discrete wiring patterns formed on a continuous substrate sheet of a flexible material

Abstract: Source: US6700603B An inspection system for inspecting discrete wiring patterns on a continuous substrate sheet of a flexible material by making the use of the substrate sheet as a feeding carrier. The system is capable of assuring accurate positioning of the wiring patterns (14) for reliable inspection even with the use of the flexible substrate sheet (10) as the sole feeding carrier. The inspection system includes an inspection zone (30) provided with **camera** (51, 54) for inspecting the individual wiring patterns (14) and detecting a position of said wiring pattern on the substrate sheet. A draw-in roller (31, 32) is provided to introduce the substrate into the inspection zone. Associated with the draw-in roller is a draw-out roller (32, 33) which draws out the substrate sheet from the inspection zone and is positioned to define the inspection zone between the draw-in roller and the draw-out roller as well as to give a tension to the substrate sheet for extending the substrate sheet straight through the inspection zone. A controller (60) is provided to control a position of the substrate sheet passing through the inspection zone based upon a position signal detected by the **camera** as indicative of the position of the individual wiring patterns on the substrate sheet within the inspection zone. Thus, the wiring pattern can be exactly positioned within the inspection zone relative to the **camera** for reliable inspection thereby.

Classifications:

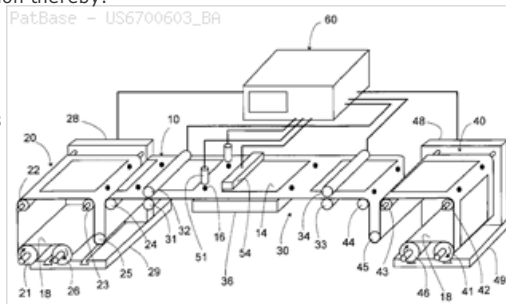
International (IPC 8-9): G01B11/24 G01N1/00 G01N21/86
G01N21/88 G01N21/89 G01N21/892 G01N21/93 G01N21/95
G01N21/956 G01R31/01 G01R31/309 H05K3/00 (Advanced/Invention);
G01R31/309 H01L21/66 (Advanced/Non-invention);
G01B11/24 G01N1/00 G01N21/86 G01N21/88 G01R31/01 G01R31/28
H05K3/00 (Core/Invention)

International (IPC 1-7): G01B11/24 G01N1/00 G01N21/88
G01N21/89 G01N21/956 G01R31/01 G01R31/309 H01L21/66
H04N7/18 H05K3/00

CPC: G01N21/86 G01N21/956 G01R31/01 G01R31/309

European: G01N21/86 G01N21/956 G01R31/01 G01R31/309

US: 348/126 348/129



Family:

Publication number	Publication date	Application number	Application date
AT408150 E	20080915	AT19990933126T	19990728
CN1212523 C	20050727	CN19998001056	19990728
CN1273639 A	20001115	CN19998001056	19990728
DE69939522 D1	20081023	DE19996039522	19990728
EP1027615 A1	20000816	EP19990933126	19990728
EP1027615 B1	20080910	EP19990933126	19990728
JP2000046753 A2	20000218	JP19980213308	19980728
JP2000106480 A2	20000411	JP19990044050	19990223
JP3506011 B2	20040315	JP19980213308	19980728
KR100367222 B1	20030109	KR20007002129	20000229
KR20010023484 A	20010326	KR20007002129	19990728
KR20010030575 A	20010416	KR20007002108	19990728
US6700603 BA	20040302	US20000486698	20000303
WO0007031 A1	20000210	WO1999JP04040	19990728

Priority:

JP19980213307 19980728 JP19980213308 19980728 WO1999JP04040 19990728
JP19990044050 19990223

Probable Assignee: PANASONIC ELECTRIC WORKS CO LTD

Assignee(s): (std): ISHIGURO HIROYUKI ; KITAMURA TAKESHI ; MATSUSHITA ELECTRIC WORKS LTD ; MORI YOSHIO ; OKUCHI TETSUYA ; PANASONIC CORP

Assignee(s): PANASONIC ELECTRIC WORKS CO LTD

Inventor(s): (std): ISHIGURO HIROYUKI ; KITAMURA TAKESHI ; MORI YOSHIO ; OGUCHI TETSUYA ; OKUCHI TETSUYA ; YOSHIO MORI ; TETSUYA OKUCHI ; HIROYUKI ISHIGURO

Agent(s): STREHL SCHUEBEL-HOPF AND PARTNER; MORI ATSUO; NISHIKAWA YOSHIKIYO

Designated states: AT BE CH CN CY DE DK ES FI FR GB GR IE IT KR LI LU MC NL PL PT SE SG US