State of the art

patent news archive 2002

USD466042: Diamond or precious stone
Assignee: L.I.D. Ltd.
Publication: 26/11/2002
Filed: 25/04/2001
Priority: 06/03/2001
Contents: design
Granted

USD466436: Precious stone
Assignee: none
Publication: 03/12/2002
Filed: 20/02/2002
Priority: 07/11/2001
Contents: design
Granted

US20020180952A1: Gem identification viewer
Assignee: none
Publication: 05/12/2002
Filed: 17/07/2002
Contents: A gem identifying device using filtered transmitted light for use in distinguishing type-I colorless diamonds from type II colorless diamonds, and natural diamonds and gems from synthetic or treated diamonds and gems.
Remarks: continuation
Application

WO02094051A1: FACETED MIXED CUT GEMSTONE FOR CONTROLLED BRILLIANCE
Assignee: MARDKHA, Joseph
Publication: 28/11/2002
Filed: 18/01/2002
Priority: 18/05/2002
Contents: A mixed cut gemstone having a crown with a girdle break, a table break and a table. The table break is cut with triangular shaped facets and the girdle break is cut with triangular and quadrilaterally shaped facets.
Application

JP2002228427A2: DEVICE FOR INSPECTING ANGLE OF GRINDING OF DIAMOND
Assignee: FUKUI PREFECTURE
Publication: 14/08/2002
Filed: 02/002/2001
Contents: By fixing the diamond in a constant attitude with the diamond attached to a grinding jig, making narrow-diameter He-Ne laser light incident, and measuring the location of projection of refracted light, the angle of refraction and the angle of incidence are obtained.
Application
US6483073: Laser marking system and method
Assignee: none
Publication: 19/11/2002
Filed: 16/02/2001
Contents: Diamonds are marked by a laser beam having a characteristic that
is changeable by positioning a selected aperture in the beam within a
resonant cavity of a laser source
Granted

US20020172638A1: HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF
COLORLESS AND FANCY COLORED DIAMONDS
Assignee: General Electric Company
Publication: 21/11/2002
Filed: 10/11/1997
Contents: A method for treating discolored natural diamond, especially Type
IIa diamond and Type IaA/B diamond with nitrogen as predominantly B centers,
for improving its color
Application

US20020171946A1: Hand-held gemstone viewing scope
Assignee: none
Publication: 21/11/2002
Filed: 17/05/2002
Contents: Viewer for reading laser inscriptions
Application

US20020170315A1: Faceted mixed cut gemstone for controled brilliance
Assignee: none
Publication: 21/11/2002
Filed: 10/09/2001
Contents: The crown has a girdle break, a table break and a table. The
pavilion is composed of four steps.
Remarks: Utility patent
Application

US20020166338A1: Oval gemstone arrangements with settings
Assignee: none
Publication: 14/11/2002
Filed: 09/05/2001
Contents: A multi-stone oval setting having four substantially
triangular-shaped gemstones or diamonds therein and two substantially
rectangular-shaped gemstones or diamonds therein and held together in the
setting to produce the appearance of an overall oval-shaped gemstone.
Application

US20020166337A1: Round gemstone arrangements with settings
Assignee: none
Publication: 14/11/2002
Filed: 09/05/2001
Contents: A multi-stone setting for receiving four substantially
triangular-shaped gemstones or diamonds in the round setting.
Application
US20020166339A1: Jewelry, jewelry design and method and apparatus
therefore
Assignee: none
Publication: 14/11/2002
Filed: 27/06/2002
Contents: Making jewelry including providing an item to be mounted, creating
a throughbore in the item, threading an elongated member through the item,
providing a finding, providing a laser, and attaching the elongated member
to the finding using the laser
Application

US20020170314A1: Ornamental ring
Assignee: none
Publication: 21/11/2002
Filed: 26/05/2001
Contents: An ornamental ring for being worn on an appendage of a person
includes an inner surface and an outer surface. The inner surface joins the
outer surface and is threaded to facilitate insertion onto and removal from
an appendage of a person.
Application

EP0900533B1: Bijou creux
Assignee: D. Swarovski & Co.
Publication: 20/11/2002
Filed: 30/06/1998
Contents: An item of hollow jewellery having at least one precious stone
which is fitted into the galvanically produced wall thereof
Granted

US6470665: Procedure to obtain the diamond effect in a precious metal
product, particularly as in a chain with hollow links and a chain obtained
according to said method
Assignee: Filk SpA
Publication: 29/10/2002
Filed: 21/05/2001
Granted

US6473164: Systems, apparatuses and methods for diamond color
measurement and analysis
Assignee: Gemological Institute of America, Inc.
Publication: 29/10/2002
Filed: 16/02/2000
Contents: The system of the invention includes three major elements: a
daylight-approximating light source that illuminates the pavilion side of
the diamond, a light detector which detects light coming out at a specific
angle from the pavilion side of the diamond, and an optical measurement
device which measures the light detected by the light detector.
Granted
US6476351: Laser marking system
Assignee: Lazare Kaplan International, Inc.
Publication: 05/11/2002
Filed: 16/10/2000
Contents: Laser marking system including 'imaging the gemstone from at least one vantage point'.
Granted

US20020162356A1: Brilliant-cut diamond and method of forming thereof
Assignee: Samuel Aaron, Inc.
Publication: 07/11/2002
Filed: 25/02/2002
Contents: Brilliant cut gemstone having 114 facets (including the table).
Another embodiment has a total of 122 facets (including the table).

USD464905: Combined two stone oval gemstone arrangement and setting
Assignee: L.I.D. Ltd.
Publication: 29/10/2002
Filed: 28/02/2001
Remarks: Design patent
Granted

US20020163735A1: Radially homogeneous high energy density UV sample ablating laser radiation in "pure" solid to gas sample preparation, for analysis by ICP-MS and ICP-OES
Assignee: none
Publication: 07/11/2002
Filed: 10/01/2001
Contents: A laser ablation system for analyzing sample system material.

US20020163516A1: Method and system for presenting objects having see-through surfaces in a computer graphics system
Assignee: none
Publication: 07/11/2002
Filed: 01/05/2001
Contents: A method for generating a full featured gemstone having at least one see-through surface in a computer graphics scene

US20020165741A1: Method and system for providing registration and loss protection services to consumer jewelry owners
Assignee: none
Publication: 07/11/2002
Filed: 29/10/2001
Contents: A system for providing registration services and loss protection services related to marked jewelry, comprising: a database for registering said marked jewelry; and a loss protection system in communication with said database for bundling said registration services with said loss protection services related to said marked jewelry.

WO02082940A1: SEGMENTED JEWELRY ITEM
Assignee: ADIPAZ LTD.; ROSENMAN & COLIN LLP.
Publication: 24/10/2002
Filed: 05/03/2001
Contents: A gem setting for use with a ring or other jewelry item is provided with internal divisions having pluralities of stones in each division. Each division houses a different type or color of stone.
Application

US20020145235A1: Process and apparatus for sequential multi-beam laser processing of materials
Assignee: none
Publication: 10/10/2002
Filed: 08/12/2000
Contents: A method to modify the surface roughness of a diamond surface with a laser operating at a first wavelength, and then by processing the diamond surface with a laser operating at a second wavelength.
Remarks: continuation of US1997000946712
Application

US20020150000A1: Decorative hourglass with light reflecting base
Assignee: none
Publication: 17/10/2002
Filed: 17/04/2001
Contents: An hourglass timepiece that is filled with a plurality of precious or semi-precious stones, such as small uncut diamonds, which are suspended in a silicone oil, to prevent scratching of the interior surface of the hourglass as the stones move by gravity from an upper compartment to a lower compartment of the hourglass.
Application

WO02080723A2: INTERCHANGEABLE JEWELRY SETTING
Assignee: LIEBERMAN, Silas
Publication: 17/10/2002
Filed: 22/03/2002
Priority: 23/03/2001
Contents: An article of jewelry has a jewelry setting for removable engagement of a jewel from such article of jewelry.
Application

USD463753: Gemstone
Assignee: Continental Jewelry (USA) Inc.
Publication: 01/10/2002
Filed: 13/07/2001
Granted

US20020148252A1: Pendant having multiple gemstones on a rotatable wheel
Assignee: none
Publication: 17/10/2002
Filed: 13/04/2001
Contents: includes a carousel to selectively position at least one of the pluralities of decorations in a viewable position through the display opening of the face plate.
Application
US20020148253A1: Pendant having multiple gemstones on a rotatable carousel
Assignee: none
Publication: 17/10/2002
Filed: 08/01/2001
Content: includes a carousel to selectively position at least one of the plurality of decorations in a viewable position through the display opening of the face plate.
Application

US6467308: Jewelry prong setting
Assignee: Alfred Butler, Inc.
Publication: 22/10/2002
Filed: 16/03/2001
Content: the prong setting can accommodate jewelry stones of varying size.
Granted

US6467526: Method of making a jewelry ring in a vertical mold
Assignee: I.B. Goodman Manufacturing Co., Inc.
Publication: 22/10/2002
Filed: 23/10/2000
Granted

US20020152767A1: Jewelry with girdle-grooved stone
Assignee: none
Publication: 14/10/2002
Filed: 24/04/2001
Content: flexible wire and means securing together the mounting and the wire, thereby securing the stone and the mounting.
Application

JP 2002-181716: DIAMOND SALES PROMOTION AUXILIARY INSTRUMENT
Assignee: AP:KK
Publication: 26/06/2002
Filed: 15/12/2000
Content: an apparatus for optically and visibly demonstrating the difference of the brightness of diamond due to the superiority or inferiority of cutting.
Application

JP 2002-086998: METHOD AND APPARATUS FOR MARKING IMAGE INFORMATION ON JEWELRY OR THE LIKE AS WELL AS JEWELRY OR THE LIKE MARKED WITH IMAGE INFORMATION
Assignee: MORI YASUHIRA
Publication: 26/03/2002
Filed: 10/11/2000
Priority: 04/02/2000
Content: laser marking
Application
JP 2002-086282: LASER MARKING METHOD OF GOODS, DEVICE THEREOF, AND GOODS MARKED WITH LASER BEAM
Assignee: MORI YASUHIRA
Publication: 26/03/2002
Filed: 10/11/2000
Priority: 27/12/1999
Content: laser marking
Application

BE1013762A: APPARAAT VOOR HET GENEREREN VAN GEGEVENS VOOR HET BEPALEN VAN EEN EIGENSCHAP VAN EEN EDELSTEEN EN WERKWIJZEN EN COMPUTERPROGRAMMA'S VOOR HET BEPALEN VAN EEN EIGENSCHAP VAN EEN EDELSTEEN.
Assignee: OVERSEAS DIAMONDS N.V.
Publication: 02/07/2002
Filed: 07/02/2002
Content: measuring brilliance
Remarks: No patentability examination
Granted

DE19860585: Device for laser-processing workpieces containing diamond
Assignee: LASERPLUSS AG
Publication: 20/07/2000
Filed: 29/12/1998
Application

Patent News 21/2002-10:

USD462921: Gemstone
Assignee: Diamonds 4U, Ltd.
Publication: 17/09/2002
Filed: 16/03/2001
Contents: Diamond cut in star form
Granted

USD463313: Gemstone
Assignee: D. Swarovski & Co.
Publication: 24/09/2002
Filed: 09/02/2001
Granted

USD463314: Combined flower-shaped gemstone jewelry arrangement and setting
Assignee: L.I.D. Ltd.
Publication: 24/09/2002
Filed: 19/04/2001
Granted

US6453700: Multi-stone setting member for attachment to a ring
Assignee: L.I.D. Ltd.
Publication: 24/09/2002
Filed: 10/02/2001
Contents: Setting for six gemstones
Granted
US6453701: Multi-part jewelry setting
Assignee: none
Publication: 24/09/2002
Filed: 04/01/2001
Contents: A jewelry setting is provided to accommodate different shapes and sizes of gemstones.
Granted

US20020134769A1: Gemstone marking system with a focus sensing unit for sensing relative disposition between a marking surface of the gemstone and a focal plane of a laser beam
Assignee: none
Publication: 26/09/2002
Filed: 15/01/2002
Contents: A gemstone marking system includes a focus sensing unit.
Application

US20020135108A1: Polycrystalline watch jewels and method of fabrication thereof
Assignee: none
Publication: 26/09/2002
Filed: 11/03/2002
Contents: A method to produce polycrystalline sapphire or ruby watch jewels is disclosed.
Application

USRE37854: Invisible setting method for jewelry
Assignee: Nili Jewelry, Corp.
Publication: 24/09/2002
Filed: 24/11/1999
Remarks: This patent is a reissue of patent US5690477
Granted

US20020134107A1: Jewelry pendant
Assignee: none
Publication: 26/09/2002
Filed: 22/03/2002
Remarks: Utility patent
Application

US20020133431A1: Method for selling an article of jewelry
Assignee: none
Publication: 19/09/2002
Filed: 19/03/2001
Application

US20020128145A1: Process for the color enhancement of gemstones
Assignee: none
Publication: 12/09/2002
Filed: 12/03/2001
Contents: For topaz or sapphire and the enhanced color lies in the color spectrum of light yellow to red.
Application
US6449985: Diamond cut
Assignee: Tycoon
Publication: 17/09/2002
Filed: 14/09/2000
Contents: A mixed cut gemstone having a brilliant cut crown, a girdle and a step cut pavilion.
Remarks: Utility patent
Granted

US6450402: Identification device
Assignee: T.I.D. (The Identifying Diamond) Inc.
Publication: 17/09/2002
Filed: 29/09/1999
Priority: 27/06/1999
Contents: An identification device including a gem having detectable identification data
Granted

EP0976341B1: Rotatable jewellery ring
Assignee: Bucherer AG Luzern
Publication: 11/09/2002
Filed: 12/07/1999
Granted

WO02069748A1: INTERCHANGEABLE RING WITH INTERLOCKING AND SELF-BLOCKING SYSTEM
Assignee: BOCCALATTE & FIGLI S.N.C.; BOCCALATTE, Lucio
Publication: 12/09/2002
Filed: 27/06/2001
Application

WO02069749A1: JEWELRY ARRANGEMENTS
Assignee: BARSAMIAN, Philippe; HOLEMANS, Thierry
Publication: 12/09/2002
Filed: 06/03/2002
Priority: 08/03/2001
Contents: Temperature causing a change in externally visible shape or configuration of the jewelry
Application

RU2179987: Device to produce diamonds
Assignee: Kirillov Leonid Ivanovich
Publication: 27/02/2002
Filed: 22/05/2000
Contents: Production of high-quality diamonds
Granted

RU2179509: METHOD FOR WORKING DIAMONDS INTO BRILLIANTS
Assignee: KRISTALL; SMOLENSKOE GUP
Publication: 20/02/2002
Filed: 12/01/2000
Contents: Bruting with crossed axis
Granted
RU2174910: DIAMOND CRYSTAL MACHINING METHOD
Assignee: KRISTALL; SMOLENSKOE GUP
Publication: 20/10/2001
Filed: 15/02/2000
Contents: Grain seeking by maximum triboelectromotive force detection
Granted

RU2178814 : METHOD OF DYEING SUBQUALITY DIAMONDS TO GIVE THEM BLACK COLOR
Assignee: SOJUZGEOIMPEKS AOZT
Publication: 27/01/2002
Filed: 20/03/2001
Contents: Heating and irradiating diamond to make it black
Granted

USD462290: Precious stone
Assignee: Diamintangibles International, Ltd.
Publication: 03/09/2002
Filed: 26/11/2001
Priority: 12/06/2001
Contents: Brilliant derivative
Granted

USD460713: Diamond or precious stone
Assignee: none
Publication: 23/07/2002
Filed: 03/12/2001
Priority: 11/06/2001
Contents: Brilliant derivative
Granted

USD460712: Diamond or precious stone
Assignee: none
Publication: 23/07/2002
Filed: 17/09/2001
Priority: 24/05/2001
Contents: Brilliant derivative
Granted

USD460711: Diamond or precious stone
Assignee: none
Publication: 23/07/2002
Filed: 26/06/2001
Priority: 10/01/2001
Contents: Brilliant derivative
Granted

USD460377: Diamond or precious stone
Assignee: none
Publication: 16/07/2002
Filed: 17/09/2001
Priority: 16/05/2001
Contents: Brilliant derivative
**USD460015: Precious stone**  
Assignee: Schachter & Namdar Polishing Works, Ltd.  
Publication: 09/07/2002  
Filed: 11/06/2001  
Priority: 20/02/2001  
Contents: Marquise derivative  
Granted

**USD459269: Precious stone**  
Assignee: Tarshish Sulimani Ltd.; Gemworks Int. Inc.; Libovich Amir; Libovich Eial  
Publication: 25/06/2002  
Filed: 29/05/2001  
Priority: 11/01/2001  
Contents: Cut corner square shape  
Granted

**USD458183: Precious stone**  
Assignee: Schachter & Namdar Polishing Works, Ltd.  
Publication: 04/06/2002  
Filed: 03/04/2001  
Priority: 31/12/2000  
Contents: Square cut  
Granted

**US6446466: Interchangeable jewelry system with invisible coupling device**  
Assignee: none  
Publication: 10/09/2002  
Filed: 13/09/1999  
Granted

**USD462636: Combined star-shaped gemstone jewelry arrangement and setting**  
Assignee: L.I.D. Ltd.  
Publication: 10/09/2002  
Filed: 19/04/2001  
Granted

**USD462635: Six stone oval gemstone arrangement**  
Assignee: L.I.D. Ltd.  
Publication: 10/09/2002  
Filed: 09/02/2001  
Granted

**USD462634: Four stone round gemstone arrangement**  
Assignee: L.I.D. Ltd.  
Publication: 10/09/2002  
Filed: 09/02/2001  
Granted
WO02067715A2: METHOD AND APPARATUS FOR GEMSTONE SETTING
Assignee: SIMON LINDENMAN, LTD.
Publication: 06/09/2002
Filed: 13/11/2001
Priority: 13/11/2000
Contents: A plurality of peripheral gemstones is set around the main gemstone, thus, creating a more brilliant gemstone.
Application

WO02067716A1: JEWELLERY SETTING
Assignee: JEWELLERY SECURITY, LLC
Publication: 06/09/2002
Filed: 19/02/2002
Priority: 22/02/2001
Contents: The setting provides a means of alerting wearers of an item of jewellery that the precious stone is loose within its support.
Application

US6439766: Diamond detecting apparatus and method
Assignee: none
Publication: 27/08/2002
Filed: 06/02/2001
Contents: detection based on high thermal conductivity of the stone consistent with diamond and the low electrical conductivity of the stone consistent with diamond.
Granted

US6442971: Multi-stone round center setting for diamonds and gemstones
Assignee: L.I.D. Ltd
Publication: 03/09/2002
Filed: 09/02/2000
Contents: A multi-stone round setting for six substantially triangular-shaped gemstones or diamonds.
Granted

WO02066262A2: FORMING A MARK ON A GEMSTONE OR INDUSTRIAL DIAMOND
Assignee: GERSAN ESTABLISHMENT
Publication: 29/08/2002
Filed: 18/02/2002
Priority: 16/02/2001
Contents: Marking by photo resist application, exposure radiation and milling using a plasma.
Application

WO02066263A2: MOUNTING AND PREPARING A GEMSTONE OR INDUSTRIAL DIAMOND FOR THE FORMATION OF A MARK ON THE SURFACE THEREOF
Assignee: GERSAN ESTABLISHMENT
Publication: 29/08/2002
Filed: 18/02/2002
Priority: 16/02/2001
Contents: The diamond is injection moulded into a dop ring and marked by microlithography.
Application

**US20020117486A1: Method and system for laser marking a gemstone**
Assignee: none
Publication: 29/08/2002
Filed: 15/01/2001
Contents: A gemstone mounted on a fixture; a pulsed laser for generating a laser pulse having a pulse duration of less than 1 nanosecond; focusing means for focusing said laser pulse onto a surface of said gemstone to be marked; means for displacing said gemstone with respect to said laser pulse in a three orthogonal axes mode of operation.

Application

**US20020116948A1: Rounded gemstone setting**
Assignee: none
Publication: 29/08/2002
Filed: 23/02/2001
Contents: The setting of gemstones in this fashion, employing surface to surface flush mating contact can be used in infinite jewelry designs.
Application

**US6434805: Method of making a heart-shaped diamond**
Assignee: L.I.D. Ltd
Publication: 20/08/2002
Filed: 08/05/2001
Contents: heart shape from two pear-shapes
Granted

**US6430963: Diamond cut**
Assignee: Simka Diamonds Corporation
Publication: 13/08/2002
Filed: 30/08/2000
Contents: n-sided polygon step cut
Remarks: utility patent
Granted

**US20020108398A1: Diamond etching**
Assignee: none
Publication: 15/08/2002
Filed: 02/04/2002
Contents: invisible laser marking
Remarks: De Beers
Application

**US6433483: Jewellery illumination**
Assignee: Scintillate Limited
Publication: 13/08/2002
Filed: 09/05/2000
Contents: simulate natural optical effects, such as sparkle and scintillation
Granted
US20020110502A1: Method and device for electro-chemical discharge processing with self-acting bubble layer
Assignee: Industrial Technology Research Institute
Publication: 15/08/2002
Filed: 09/02/2001
Contents: processing of non conducting gemstones
Application

US20020108864A1: Method and device for simultaneous are processing and chemical etching
Assignee: Industrial Technology Research Institute
Publication: 15/08/2002
Filed: 09/02/2001
Contents: processing of non conducting gemstones
Application

EP1228359A1: METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES
Assignee: GENERAL ELECTRIC COMPANY
Publication: 07/08/2002
Filed: 02/10/2000
Application

USD461141: Gemstone
Assignee: none
Publication: 06/08/2002
Filed: 30/10/2001
Contents: Design
Granted

US6427487: Interchangeable jewelry item
Assignee: none
Publication: 06/08/2002
Filed: 05/05/2000
Contents: A jewelry device having interchangeable ornaments in which the ornament(gem) is firmly secured.
Granted

BE1013545: Siersteen
Assignee: TOLKOWSKY GABRIEL
Publication: 05/03/2002
Filed: 09/06/2000
Contents: Gemstone containing at least one 9 folded facet family.
Granted

BE1013663: Appareil et procede pour examiner la forme de gemmes.
Assignee: Sarin Technologies Ltd.
Publication: 07/05/2002
Filed: 01/09/2000
Contents: 3D concavity measuring principle based on coating.
Remarks: No patentability examination.
Granted
**BE1009378: Bijou perfectionne**
Assignee: Friedman Alain
Publication: 04/03/1997
Filed: 11/05/1995
Contents: Gemstone suspension with means of a hole through the gemstone.
Remarks: No patentability examination.
Granted

**DE10043587A1: Verfahren zur Herstellung eines Substrats, nach diesem Verfahren hergestelltes Substrat, Trägerscheibe und Schmuckdiamant**
Assignee: MAX PLANCK GESELLSCHAFT
Publication: 05/07/2001
Filed: 05/09/2000
Priority: 17/09/1999
Contents: Monocrystalline diamond layers.
Application

**BE1011196: PROCEDE PERMETTANT DE GRAVER UNE INSCRIPTION SUR UNE PIERRE PRECIEUSE**
Assignee: HAKOUNE MAURICE REMI
Publication: 01/06/1999
Filed: 06/06/1997
Contents: Gemstone laser marking by X,Y,Z movements
Remarks: No patentability examination. Term is 6 years.
Granted

**BE1012499: WERKWIJZE EN INRICHTING VOOR HET MERKEN VAN EEN SIERSTEEN EN WERKWIJZE VOOR HET INSTELLEN VAN EEN DERGELIJKE INRICHTING.**
Assignee: BENELUX LASER SYSTEMS
Publication: 07/11/2000
Filed: 04/03/1999
Contents: Method for referencing a laser beam to the image of the workpiece.
Remarks: No patentability examination. Term is 6 years.
Granted

**JP2002086282: LASER MARKING METHOD OF GOODS, DEVICE THERETO, AND GOODS MARKED WITH LASER BEAM**
Assignee: MORI YASUHIRA
Publication: 26/03/2002
Filed: 10/11/2000
Contents: Focusing the laser beam inside the arbitrary surface of the transparent or translucent goods.
Application

**US6415629: Apparatus for setting precious gems in jewelry through the use of screws and other stabilizing means**
Assignee: Continental Jewelry (USA) Inc.
Publication: 09/07/2002
Filed: 19/11/1999
Contents: Precious gems are set in a cavity of a jewelry piece comprising gems holes, screw holes and grooved slots.
Granted
US20020096167A1: Diamond cutting method, enneahedral-cut diamonds and assembly of enneahedral-cut diamonds
Assignee: none
Publication: 25/07/2002
Filed: 11/01/2002
Priority: 22/01/2001
Contents: An a table-and-pavilion structure, permitting plural diamonds to be arranged side by side as a whole with their square or rectangular tables directed inward or outward.
Application
Remarks: Utility patent

US20020091962A1: System for recovering lost jewelry and diamonds
Assignee: none
Publication: 11/07/2002
Filed: 08/01/2002
Contents: A micro-label bearing a numeric code which identifies the owner of the jewelry.
Application

US20020088450A1: Diamond cutting method and new-cut diamond shape
Assignee: none
Publication: 11/07/2002
Filed: 15/03/2002
Contents: Brilliant derivative with increased brilliance and fire. High crown and pavilion. 65 and 86 facet cut included.
Application
Remarks: Utility patent

EP1037704B1: CRYSTAL GROWTH
Assignee: DE BEERS INDUSTRIAL DIAMONDS (PROPRIETARY) LIMITED
Publication: 10/07/2002
Filed: 10/12/1998
Contents: Diamond crystals having a size of less than 100 microns and in which mass the majority of the diamond crystals are faceted single crystals. Granted

WO02054901A1: A METHOD OF DECORATING ITEMS OF JEWELLERY
Assignee: SILMAR S.P.A.
Publication: 18/07/2002
Filed: 09/01/2002
Priority: 12/01/2001
Contents: Automated decorative marking of jewellery.
Application

US6422039: Gem
Assignee: D. Swarovski & Co.
Publication: 23/07/2002
Filed: 11/12/2001
Granted
Remarks: utility patent
USD460714: Precious gemstone setting
Assignee: Steinberg; Daniel R.
Publication: 23/07/2002
Filed: 23/02/2001
Granted
Remarks: design patent

USD460470: Viewer for gemstones
Assignee: Gersan Establishment
Publication: 16/07/2002
Filed: 18/04/2001
Priority: 18/10/2001
Granted
Remarks: design patent

USD460380: Combined four stone round gemstone arrangement and setting
Assignee: L.I.D. Ltd.
Publication: 16/07/2002
Filed: 28/02/2001
Granted
Remarks: design patent

USD460379: Invisible setting for gemstones and diamonds
Assignee: Paco Jewellery Ltd., Goldman Natan
Publication: 16/07/2002
Filed: 16/11/2000
Granted
Remarks: design patent

US6415483: Jewelry clasp
Assignee: none
Publication: 09/07/2002
Filed: 06/07/2001
Granted

USD460016: Gemstone D. Swarovski & Co.
Assignee: D. Swarovski & Co.
Publication: 09/07/2002
Filed: 30/10/2001
Priority: 21/09/2000
Granted

US20020092320A1: Method for affixing attachments to a plurality of stones
Assignee: PACO JEWELLERY LTD
Publication: 18/07/2002
Filed: 16/01/2001
Application

US20020083738A1: Multi-part jewelry setting
Assignee: none
Publication: 04/07/2002
Filed: 04/01/2001
Application
US20020083737A1: Jewelry fastener assembly
Assignee: none
Publication: 04/07/2002
Filed: 13/12/2000
Application

WO02052973A1: ADJUSTABLE MOUNTING FOR JEWELRY
Assignee: QUACH, Jonathan, F.
Publication: 11/07/2002
Filed: 28/12/2001
Priority: 03/01/2001
Application

US6422038: Single prong jewelry setting
Assignee: none
Publication: 23/07/2002
Filed: 26/04/2000
Granted

US6405562: Cut gem, in particular cut diamond
Assignee: Montblanc-Simplo GmbH
Publication: 18/06/2002
Filed: 14/11/2000
Contents: The girdle separating the crown from the pavilion has a contour of lobed shape.
Granted
Remarks: Utility patent.

US6410085: Method of machining of polycrystalline diamond
Assignee: Camco International (UK) Limited
Publication: 25/06/2002
Filed: 31/08/2001
Contents: Making the polycrystalline diamond electrically conductive, and using an electron discharge machining technique to machine the polycrystalline diamond.
Granted

US20020081260A1: HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS
Assignee: none
Publication: 27/06/2002
Filed: 17/10/1997
Contents: Treating discolored natural diamond. Colorless diamond can be made by this method.
Application
Remarks: GE patent

WO0248038A2: JADEITE AND ITS PRODUCTION
Assignee: GENERAL ELECTRIC COMPANY
Publication: 20/06/2002
Filed: 05/12/2001
Contents: Production of jadeite material by HP/HT apparatus.
Application
US6393680: Method for setting precious gems in jewelry through the use of screws and other stabilizing means
Applicant: Continental Jewelry (USA) Inc.
Publication: 28/05/2002
Filed: 05/10/2001
Contents: Gems are positioned in the cavity with four gems surrounding each gem hole.
Granted

US6397832: Diamond cutting method and new-cut diamond shape
Applicant: none
Publication: 04/06/2002
Filed: 07/11/2001
Contents: Diamond shape or proportion giving an increased brightness and different brilliant colors to the cut jewel
Remarks: Utility patent, check this out
Granted

EP1211503A1: A method and apparatus for locating inclusions in a diamond stone
Applicant: Diamcad, SivovoLenko, Serguei Borisovich
Publication: 05/06/2002
Filed: 04/12/2000
Contents: Localize the inclusion with respect to the outer surface of said diamond.
Application

USD457829: Two stone oval gemstone arrangement
Applicant: L.I.D. Ltd.
Publication: 28/05/2002
Filed: 09/02/2001
Contents: Design
Granted

US6401489: Gemstone
Applicant: Continental Jewelry (USA), Inc.
Publication: 11/06/2002
Filed: 12/02/2001
Contents: Utility patent, check this out
Granted

EP0903088B1: Setting for jewellery stones
Applicant: Andreas Daub GmbH & Co. KG.
Publication: 22/05/2002
Filed: 10/09/1998
Granted

WO0241724A1: IMPROVED PRINCESS CUT INVISIBLE STONE SETTING
Applicant: STUCKEY DIAMONDS, INC. ; UBHAYAKAR, Vivek, V.
Publication: 30/05/2002
Filed: 21/11/2001
Application
USD457090: Diamond
Applicant: Pluczenik Diamond Company N.V.
Publication: 14/05/2002
Filed: 04/08/2000
Contents: design
Granted

US6391215: Diamond marking
Applicant: Gersan Establishment
Publication: 21/05/2002
Filed: 06/03/2000
Contents: focused ion beam marking
Granted

EP1202776A1: METHOD APPARATUS AND ARTICLE OF MANUFACTURE FOR A BRANDING DIAMOND BRANDING WITH A FOCUSED ION BEAM
Applicant: Norsam Technologies
Publication: 08/05/2002
Filed: 16/06/2000
Contents: focused ion beam marking
Application

US6389846: Prong setting for multiple gemstones
Applicant: Am-Gold Products, Inc.
Publication: 21/05/2002
Filed: 10/03/2000
Granted

US6390395: Heavy liquids for use in separation processes
Applicant: Versitech, Inc.
Publication: 21/05/2002
Filed: 16/12/1999
Contents: liquids such as aqueous solutions of cesium salts, can be used to separate gems from matrix materials
Granted

USD457094: Combined six stone oval gemstone arrangement and setting
Applicant: L.I.D. Ltd.
Publication: 14/05/2002
Filed: 28/02/2001
Contents: design
Granted

US6378335: Common faceting for individual stones of a composite of diamonds
Applicant: Am-Gold Products, Inc.
Publication: 30/04/2002
Filed: 27/02/2001
Contents: A composite stone is formed of individual stones in which the faceting of the stones as viewed from the top is substantially identical.
Granted
US20020052170A1: System and method of gem evaluation
Applicant: none
Publication: 02/05/2002
Filed: 18/06/2001
Contents: Gem rating system based on aesthetic parameter values.

WO0232251A2: GEMSTONE
Applicant: CONTINENTAL JEWELRY (USA), INC.
Publication: 25/04/2002
Filed: 05/10/2001
Contents: The object of the invention is to provide a better effect on a scintillation, i.e., a sparkle of the gemstone when it is irradiated in light and moved.

USD456735: Invisible set diamonds
Applicant: Am-Gold Corp.
Publication: 07/05/2002
Filed: 04/05/2001
Contents: Design
Granted

USD455975: Three-stone, heart-shaped setting for diamonds and gemstones
Applicant: DiamLink Jewelry, Inc.
Publication: 23/04/2002
Filed: 23/04/2001
Contents: The ornamental design for a three-stone, heart-shaped setting for diamonds and gemstones.
Granted

USD455977: Oval-shaped gemstone arrangement
Applicant: Goldstar Jewellery Pvt. Ltd.
Publication: 23/04/2002
Filed: 07/06/2001
Contents: The ornamental design for oval-shaped gemstone arrangement.
Granted

US6376031: Method for enhancing the color of minerals useful as gemstones
Applicant: none
Publication: 23/04/2002
Filed: 14/01/2000
Contents: Color enhancing for topaz, sapphire, chrysoberyl, quartz, or garnet.
Granted

EP0883356B1: POLISHED GEMSTONE
Applicant: Atelier Bunz GmbH
Publication: 17/04/2002
Filed: 30/01/1997
Contents: a group of narrow, triangular additional facets extending fan-like from a girdle plane between each of the side edges of the lower portion facets.
Granted
WO0231474A1: SYSTEMS AND METHODS FOR EVALUATING THE APPEARANCE OF A GEMSTONE
Applicant: GEMOLOGICAL INSTITUTE OF AMERICA, INC.
Publication: 18/04/2002
Filed: 11/10/2001
Contents: The invention describes many combinations of proportions with equal or higher DCLR than "Ideal" cuts.
Application

WO0227075A2: NOVEL METHOD FOR CUTTING NATURAL AND/OR MAN-MADE DIAMONDS AND ARTICLE RESULTING THEREFROM
Applicant: SCHACHTER, Michael; PELEG, Uri
Publication: 04/04/2002
Filed: 25/09/2001
Priority: 26/09/2000
Contents: A high yield diamond and method of producing same. Step cut design.
Remarks: Utility patent. Check this out.
Application

USD455369: Trilliant-shaped gemstone arrangements
Applicant: Goldstar Jewellery Pvt. Ltd
Publication: 09/04/2002
Filed: 07/06/2001
Contents: design
Application

EP0983152B1: MARKING DIAMOND
Applicant: GERSAN ESTABLISHMENT
Publication: 17/04/2002
Filed: 22/05/1998
Contents: A method of marking a surface of a diamond to produce a mark thereon which is invisible to the naked eye.
Granted

US6362888: Spectrometer assembly
Applicant: LJ Laboratories, L.L.C.
Publication: 26/03/2002
Filed: 13/06/2001
Priority: 13/06/2001
Contents: Characterizing gems or precious stones, such as diamonds by optical properties relating to the surface and/or subsurface characteristics of the object or material. Fingerprinting
Granted

US6362453: Method of etching transparent solid material with laser beam
Applicant: Director-General of Agency of Industrial Science and Technology
Publication: 26/03/2002
Filed: 15/03/1999
Priority: 21/09/1998
Contents: A method of etching a surface of a transparent solid material with a laser beam while maintaining a fluid capable of absorbing the laser beam in contact with an opposite surface of the solid material.
Granted
**US20020033383A1: Machining of polycrystalline diamond**
Applicant: none
Publication: 21/03/2002
Filed: 31/08/2001
Contents: Applying a conductive material layer to a surface of the diamond and using an electron discharge machining technique to machine the polycrystalline diamond.

**EP0716899B1: Laser finishing and measurement of diamond surfaces**
Applicant: Saint-Gobain Industrial Ceramics, Inc.
Publication: 27/03/2002
Filed: 02/12/1995
Priority: 12/12/1994
Contents: Measuring and ablating diamond with switchable lasermode.
Granted

**WO0221963A1: DIAMOND CUT**
Applicant: TYCOON
Publication: 21/03/2002
Filed: 14/09/2001
Contents: A mixed cut gemstone having a brilliant cut crown, a girdle and a step cut pavilion.
Remarks: Utility patent

**US6358427: Marking diamond**
Applicant: Gersan Establishment
Publication: 19/03/2002
Filed: 09/02/2000
Priority: 23/05/1997
Contents: Marking diamond facet with plasma etching
Granted

**USD454089: Decorative gemstone**
Applicant: D. Swarovski & Co.
Publication: 05/03/2002
Filed: 20/03/2001
Contents: Design
Granted

**USD454517: Diamond**
Applicant: none
Publication: 19/03/2002
Filed: 16/04/2001
Contents: Design
Granted
**EP1181875A2: Cut design of diamond for ornamental use**
Applicant: Hohoemi Brains, Inc.
Publication: 27/02/2002
Filed: 03/08/2001
Contents: Diamond cut design to enhance brilliance
Remarks: Utility patent (check this out)

**WO0217742A1: NEW DIAMOND CUT**
Applicant: SIMKA DIAMONDS CORPORATION
Publication: 07/03/2002
Filed: 29/08/2001
Contents: Polygon shaped brilliant cut
Remarks: Utility patent

**US6360173: Geophysical exploration system and method**
Applicant: Terrescan Technologies, Inc.
Publication: 19/03/2002
Filed: 16/02/2001
Contents: Detonation wave echoes returned from geologic strata and features deep within the earth are captured and processed to localize and identify vital mineral resources such as kimberlite pipes.
Granted

**US20020030039A1: Laser marking on diamonds**
Applicant: none
Publication: 14/03/2002
Filed: 02/08/2001
Contents: A diamond marking attachment for a 3D diamond mapping apparatus
Remarks: Marking via a material that is capable of interacting with a laser beam

**WO0216676A1: HIGH PRESSURE AND HIGH TEMPERATURE APPARATUS**
Applicant: DIAMOND MATERIALS, INC.
Publication: 28/02/2002
Filed: 16/08/2001
Application

**US20020024653A1: APPARATUS AND METHOD FOR MEASURING OPTICAL CHARACTERISTICS OF AN OBJECT**
Applicant: none
Publication: 28/02/2002
Filed: 29/12/1999
Contents: Gems may be characterized by optical properties relating to the surface and/or subsurface characteristics of the object or material
Application

**USD453908: Multi-stone gem setting and base**
Applicant: Merit Diamond Corporation
Publication: 26/02/2002
Filed: 18/04/2000
Contents: design
Granted
WO0214837A2: DIAMOND DETECTION USING COHERENT ANTI-STOKES RAMAN SPECTROSCOPY
Applicant: DE BEERS CONSOLIDATED MINES LIMITED
Publication: 21/02/2002
Filed: 08/08/2001
Contents: Components of the initial laser beams are coherently phase-matched to produce, in diamond particles, a CARS signal characteristic of diamond.
Application

WO0213958A2: HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS
Applicant: GENERAL ELECTRIC COMPANY
Publication: 21/02/2002
Filed: 08/08/2001
Contents: A method for treating discolored natural diamond, especially Type IIa diamond and Type IaA/B diamond with nitrogen as predominantly B centers, for improving its color. Colorless and fancy colored diamonds can be made by this method.
Remarks: The method includes preblocking and preshaping a discolored natural diamond to prevent its breakage in a high pressure/high temperature (HP/HT) press.
Application

WO0151907A1: RADIALLY HOMOGENEOUS HIGH ENERGY DENSITY UV SAMPLE ABLATING LASER RADIATION IN "PURE" SOLID TO GAS SAMPLE PREPARATION, FOR ANALYSIS BY ICP-MS AND ICP-OES
Applicant: GÜNTHER, Detlef
Publication: 19/07/2001
Filed: 10/01/2001
Priority: 11/01/2000
Contents: Methodology for uniformly ablating material from sample systems such as gem stones for high sensitivity, high accuracy analysis, the damaging effects of which are, or can be rendered undetectable. Origin detection.
Application

WO0210091A2: METHOD AND ARTICLE OF MANUFACTURE FOR IDENTIFYING AND TRACKING ROUGH GEMSTONES
Applicant: NORSAM TECHNOLOGIES, INC.
Publication: 07/02/2002
Filed: 28/07/2001
Priority: 28/07/2000
Contents: Marking the casing containing gemstones
Application

WO0211031A1: CUSTOMIZING OBJECTS AND MATERIALS WITH DIGITAL IDENTIFIERS
Applicant: NORSAM TECHNOLOGIES, INC.
Publication: 07/02/2002
Filed: 28/07/2001
Priority: 28/07/2000
Contents: Mining history database with unique digital identifier
Application
WO0210797A1: SYSTEM AND METHOD FOR OPTIMIZING A MINING OPERATION
Applicant: SCIENTIFIC PREDICTION, INC.
Publication: 07/02/2002
Filed: 25/07/2001
Priority: 31/07/2000
Contents: Neural network based system
Application

FR2796464B1: PROCEDÉ DE DETERMINATION DE L'AUTHENTICITÉ ET DE LA PROVENANCE GEOGRAPHIQUE DE GEMMES TELLES QUE LES BERYLS
Applicant: MAUBOUSSIN SUCCESSEUR DE NOURY
Publication: 21/09/2001
Filed: 20/12/1999
Priority: 15/07/1999
Contents: Detection based on absorbance. For silicates.
 Granted

US6348964: Viewer for gemstones
Applicant: none
Publication: 19/02/2002
Filed: 25/08/1999
Contents: Viewer with 360-degree light unit positioned above a base where the stone is placed.
 Granted

US20020020191A1: Method and apparatus for setting precious gems in jewelry through the use of screws and other stabilizing means
Applicant: none
Publication: 21/02/2002
Filed: 05/10/2001
Application

US20020008925A1: Gem identification viewer
Applicant: Gemological Institute of America, Inc.
Publication: 24/01/2002
Filed: 16/08/2001
Contents: synthetic, treated detection viewing through bandpass filter
Application

US20020008092A1: Gemstone marking system and method
Applicant: none
Publication: 24/01/2002
Filed: 19/07/2001
Contents: marking with radiant energy and stencils
Application

WO0206797A1: INSTRUMENT FOR EXAMINING A GEMSTONE
Applicant: GERSAN ESTABLISHMENT
Publication: 24/01/2002
Filed: 17/07/2001
Priority: 18/07/2000
Contents: synthetic, treated diamond detection
Application
USD453007: Diamond
Applicant: Koninklijke Asscher Diamant, Maatschappij B.V.
Publication: 22/01/2002
Filed: 08/11/2000
Contents: design
Granted

USD453120: Gemstone
Applicant: Continental Jewelry (USA) Inc.
Publication: 29/01/2002
Filed: 17/10/2000
Contents: partial design (check this out)
Granted

USD453121: Setting for diamonds or other gemstones
Applicant: Stuller, Inc.
Publication: 29/01/2002
Filed: 31/01/2000
Contents: prong setting
Granted

USD453122: Jewelry component
Applicant: none
Publication: 29/01/2002
Filed: 10/03/2000
Contents: heart shape jewel, 66 embodiments, is a design patent
Granted

WO0200440A2: APPARATUS FOR AND METHOD OF MARKING OBJECTS, OBJECTS MARKED THEREBY AND APPARATUS AND METHOD OF READING MARKED OBJECTS
Applicant: AUTHENTIS LTD
Publication: 03/01/2002
Filed: 26/06/2001
Priority: 28/06/2000
Contents: marking gem (diamond) with radio isotopes
Application

US6183843: Method for producing low reflectance diamond and products therefore
Applicant: Raytheon Company
Publication: 06/02/2001
Filed: 15/07/1995
Contents: reducing index of refraction of CVD diamond
Granted

US6274837: Method and apparatus for in-situ solid state doping of CVD diamonds and diamonds so made
Applicant: Saint-Gobain Industrial Ceramics, Inc.
Publication: 14/08/2001
Filed: 16/07/1999
Granted
WO0102628A1: DOPED DIAMOND
Applicant: DE BEERS INDUSTRIAL DIAMONDS (PROPRIETARY) LIMITED
Publication: 11/01/2001
Filed: 29/07/2000
Application

US20010020370A1: Method of making a heart-shaped diamond
Applicant: L.I.D., Ltd.
Publication: 13/09/2001
Filed: 08/05/2001
Division of application 09/268446 12/03/1999
Contents: Heart shape made out of two pear shape halves
Application

WO0136214A1: METHOD FOR PREPARING A PRECIOUS STONE REPORT
Applicant: CODIAM INC.
Publication: 25/05/2001
Filed: 20/11/2000
Priority: 18/11/1999
Application

US20010012055A1: Article image data marking method and apparatus and gem stone marked with image data
Applicant: none
Publication: 09/08/2001
Filed: 26/12/2000
Contents: diamond marking with scanning laser beam
Application

WO0037208A1: CUTTING OF ULTRA-HARD MATERIALS
Applicant: DE BEERS INDUSTRIAL DIAMOND DIVISION (PROPRIETARY) LIMITED
Publication: 20/07/2000
Filed: 21/12/1999
Priority: 22/12/1998
Contents: diamond cutting using slab laser
Application

WO0175197A1: METHOD AND APPARATUS FOR LARGE-SCALE DIAMOND POLISHING
Applicant: HRL LABORATORIES, LLC
Publication: 11/10/2001
Filed: 18/01/2001
Priority: 03/04/2000
Contents: diamond polishing using oxygen plasma
Application

USD439542: Gemstone
Applicant: M. Fabrikant & Sons, Ltd.
Publication: 27/03/2001
Filed: 09/05/2000
Contents: hexagonal cut
-granted.
USD444097: Crown of a round facetted gemstone
Applicant: none
Publication: 26/06/2001
Filed: 18/09/2000
Contents: round crown design
Remarks: example of the protection for partial design. Also possible in Japan. This is a good feature to extend the scope of the protection. Granted.

USD444410: Top surface of a gemstone setting
Applicant: Am-Gold Inc.
Publication: 03/07/2001
Filed: 30/12/1999
Contents: triangle, rectangle, triangle setting
Granted.

US6298689: Jewelry setting
Applicant: Gramercy Jewelry Manufacturing Corp.
Publication: 09/10/2001
Filed: 21/08/2000
Contents: jewelry setting. This is not a design patent! To read the claims is the message. Granted.

WO0169451A1: SECURE TRACKING OF ARTICLES
Applicant: ROBOTIC VISION SYSTEMS, INC.
Publication: 20/09/2001
Filed: 13/03/2001
Priority: 13/03/2000
Contents: also applicable to jewelry Application.

WO0193156A1: SYSTEM AND METHOD FOR DESIGNING CUSTOM JEWELRY
Applicant: POLLACK, Steven, Bradley
Publication: 06/12/2001
Filed: 18/05/2001
Priority: 26/05/2000
Contents: Three dimensional image of jewel and gem constructed from user specification Application.

USD444096S: Gemstone
Applicant: Rapaport; Martin
Publication: 26/06/2001
Filed: 02/06/2000
Contents: Brilliant derivative
Granted.
WO0196633A1: SINGLE CRYSTAL DIAMOND PREPARED BY CVD
Applicant: DE BEERS INDUSTRIAL DIAMONDS (PROPRIETARY) LIMITED
Publication: 20/12/2001
Filed: 14/06/2001
Priority: 15/06/2000
Contents: no mentioning of gem Application.

WO0196634A1: THICK SINGLE CRYSTAL DIAMOND LAYER METHOD FOR MAKING IT AND GEMSTONES PRODUCED FROM THE LAYER
Applicant: DE BEERS INDUSTRIAL DIAMONDS (PROPRIETARY) LIMITED
Publication: 20/12/2001
Filed: 14/06/2001
Priority: 15/06/2000
Contents: Homoepitaxial diamond growth. Layer thickness greater than 3mm Application.