

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

WTOCD

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

WTOCD

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

WTOCD

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).

Application

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.

Application

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

Application

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.

Application

WTOCD

W002082940A1: 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

W002080723A2: 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

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

WTOCD

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

WTOCD

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

WTOCD

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

WTOCD

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

WTOCD

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: 16/07/2001

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

WTOCD

Granted

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

WTOCD

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.

WTOCD

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

WTOCD

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.

Remarks: Utility patent. No patentability examination.

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

WTOCD

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 THEREOF, 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

WTOCD

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

WTOCD

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

WTOCD

US20020083737A1: Jewelry fastener assembly

Assignee: none
Publication: 04/07/2002
Filed: 13/12/2000
Application

W002052973A1: 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

W00248038A2: 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

WTOCD

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

WTOCD

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

WTOCD

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.

Application

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.

Application

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

WTOCD

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

WTOCD

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.

Application

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 laser mode.

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

Application

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

WTOCD

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)

Application

WO0217742A1: NEW DIAMOND CUT

Applicant: SIMKA DIAMONDS CORPORATION

Publication: 07/03/2002

Filed: 29/08/2001

Contents: Polygon shaped brilliant cut

Remarks: Utility patent

Application

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

Application

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

WTOCD

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

WTOCD

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: PROCEDE DE DETERMINATION DE L'AUTHENTICITE ET DE LA PROVENANCE GEOGRAPHIQUE DE GEMMES TELLES QUE LES BERYLS

Applicant: MAUBOUSSIN SUCESSEUR 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

WTOCD

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

WTOCD

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.

WTOCD

USD444097: Crown of a round faceted 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.

WTOCD

W00196633A1: 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.

W00196634A1: 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.