

Title (en)

GEM IDENTIFICATION METHOD AND APPARATUS USING DIGITAL IMAGING VIEWER

Title (de)

EDELSTEINIDENTIFIKATIONSVERFAHREN UND -VORRICHTUNG MIT EINER SICHTVORRICHTUNG FÜR DIGITALE BILDER

Title (fr)

PROCÉDÉ ET APPAREIL D'IDENTIFICATION D'UNE PIERRE PRÉCIEUSE À L'AIDE D'UNE VISIONNEUSE D'IMAGES NUMÉRIQUES

Publication

EP 2891008 A4 20160420 (EN)

Application

EP 13832414 A 20130830

Priority

- US 201261695746 P 20120831
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- US 2013057619 W 20130830

Abstract (en)

[origin: WO2014036460A2] A system and an apparatus for capturing a digital image of a particular gemstone from which specific and unique data can be extracted using digital image processing analysis, which data is used to positively identify a single gemstone from a database of gemstone images.

IPC 8 full level

G02B 27/02 (2006.01); **G01N 21/87** (2006.01); **G01N 33/38** (2006.01)

CPC (source: CN EP IL)

G01N 21/87 (2013.01 - EP IL); **G01N 33/389** (2024.05 - EP IL); **G02B 27/022** (2013.01 - CN EP IL)

Citation (search report)

- [X] US 5828405 A 19981027 - VANIER DANA J [CA], et al
- [XY] US 6980283 B1 20051227 - AGGARWAL LALIT K [US]
- [Y] WO 2012032171 A1 20120315 - UNIV DUBLIN CITY [IE], et al
- [A] WO 2012058641 A2 20120503 - UNIV CALIFORNIA [US], et al
- [X] US 2010092067 A1 20100415 - ELLAWAND MOHAMAD [US]
- [A] US 2008225266 A1 20080918 - VAN DE VELDE MARC F A [BE], et al
- [X] EP 0042361 A1 19811223 - GRETAG AG [CH]
- [X] WO 9312496 A1 19930624 - GEM INT NETWORK INC [US]
- [X] EP 0256196 A1 19880224 - ARTIKA INTERNATIONAL HONG KONG [HK]
- [X] US 2005103840 A1 20050519 - BOLES JULIAN D [GB]

Citation (examination)

- WO 2013177463 A1 20131128 - GEMEX SYSTEMS INC [US]
- EP 2856234 A1 20150408 - GEMEX SYSTEMS INC [US]
- See also references of WO 2014036460A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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WO 2014036460 A2 20140306; WO 2014036460 A3 20140417; CN 104718485 A 20150617; CN 105700153 A 20160622; CN 105700153 B 20181130; EP 2891008 A2 20150708; EP 2891008 A4 20160420; HK 1224382 A1 20170818; IL 237450 A0 20150430; IL 237450 B 20210131; IN 453KON2015 A 20150717; JP 2015531475 A 20151102; JP 6293757 B2 20180314

DOCDB simple family (application)

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