

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome
Data di nascita
Cittadinanza
Qualifica
Amministrazione
Incarico attuale
Numero telefonico dell'ufficio
E-mail istituzionale

VIGLIENZONI ALFREDO

19/01/1956

Cittadino Italiano e Lawful Permanent Resident USA (Green Card Holder)

DIRETTORE GENERALE OPERATIVO TECNICO E INNOVAZIONE TECNOLOGICA

COMUNE DI GENOVA

DIRETTORE GENERALE OPERATIVO TECNICO E INNOVAZIONE TECNOLOGICA, DIRETTORE AREA TECNOLOGIA E INNOVAZIONE, DIRETTORE SMART CITY, DIRETTORE SISTEMI INFORMATIVI

010 5572654

alfredo.viglienzoni@comune.genova.it

TITOLI DI STUDIO E PROFESSIONALI ED ESPERIENZE LAVORATIVE

Titolo di studio
Altri titoli di studio e professionali
Esperienze professionali (incarichi ricoperti)

Università degli Studi di Genova

Laurea in Fisica - Cum Laude, (1975 - 1980)

University of California, Los Angeles The Anderson School of Business
MBA M&A · (2010 - 2011)

CERN

Visiting Research Scientist

1981 - 1982 (1 anno)

Liceo Scientifico Grassi - Savona

Diploma Liceo Scientifico – (1971 - 1975)

Corso Pre-Universitario presso centro Ettore Majorana di Erice (1974)

Comune di Genova

Direzione Generale Operativo Tecnico e Innovazione Tecnologica

Direttore Area Tecnologia ed Innovazione

Direttore Sistemi Informativi

da gennaio 2019

Genova Smart City Advisory Board – Presidente

da febbraio 2019

Vice Presidente esecutivo ad interim dell'Associazione Genova Smart City

Da dicembre 2019

Skorpis Technologies, Inc.

5 anni

SVP, Head of BU

January 2016 - November 2018 (2 years 11 months)

SVP Sales, Marketing and Business Development

January 2014 - December 2015 (2 years)

Albuquerque, NM and Austin, TX - USA

Photonics21

Co-Founder, ICT Group Head and Member of Board of Stakeholders.

2005 - December 2013 (8 years)

<p>Esperienze professionali (incarichi ricoperti)</p>	<p>Ericsson 12 years</p> <p>VP and Head Business Development IP and Broadband January 2009 - 2013 (4 years) Genova - San Jose', CA</p> <p>VP and Head of Optical Networks BU 2006 - 2009 (3 years) Stockholm – Genova</p> <p>VP and Head of WDM 2003 - 2006 (3 years) Coventry - Nottingham - Backnang - Genova – Pisa</p> <p>Director Photonic Development - Marconi plc 2001 - 2003 (2 years) Genova – Pisa</p> <p>Cisco Direttore Project Management and Engineering Operations 2000 - 2001 (1 year) Milano, Wuppertal, Lexington, SC</p> <p>Pirelli VP Project Management 1998 - 2000 (2 years) Milan - Wuppertal - Lexington, SC</p> <p>3M 12 years New Business Development Director - Imation 1996 - 1998 (1 year)</p> <p>DryView Printer Development Manager 1991 - 1996 (5 years) St.Paul, USA</p> <p>Various Research Positions from Jr. to Research Scientist 1984 - 1991 (7 years)</p>
<p>Capacità linguistiche</p>	<p>Inglese (fluente); francese (scolastico); spagnolo (scolastico)</p>
<p>Capacità nell'uso delle tecnologie</p>	<p>Esperto in telecomunicazioni sia terrestri che radio; esperto in tecniche di detezione radiazioni ionizzanti (radiografia digitale e dosimetria)</p>
<p>Altro (partecipazione a convegni e seminari, pubblicazioni, collaborazioni a riviste, ecc.,)</p>	<p>Detiene una decina di brevetti unici e ha presentato oltre 70 pubblicazioni sull'innovazione tecnologica e la gestione del business, materiale scientifico e nel campo delle telecomunicazioni. – (vedi allegato)</p>

Evidence that the alien has been employed in a critical or essential capacity for organizations and establishments that have a distinguished reputation. 8 C.F.R. 204.5 (h)(viii)

Referenced testimonial letters from leading experts in the field of optics and telecommunications, extensively describes instances in which Mr. Viglienzoni has been employed extensively in a critical and essential capacity for well-known international corporations over the span of four decades, in which he led major R&D and commercialization programs for new opt mechanical and optical photonics telecommunications technologies and systems that were highly successful and highly regarded for their innovation and business success internationally. Mr. Viglienzoni 's leadership roles in a critical and essential capacity for distinguished organizations include his positions as a Program Director and Product Development head for 3M and 3M Medical Imaging Systems; his position as a Business Development Director for Imation Corporation (1991-1998); his role as Head of Products, and as Head of Strategic Programs and IP and Broadband Chief Technology Officer and Business Development Director for Marconi, then Ericsson over a span of twelve years (2001-2013).

Along with the testimonial letters, there are a lot of various product reviews, press releases and other written materials concerning the successful product and technology programs that Mr. Viglienzoni led and managed, including instances of him being featured as a spokesperson in those materials. Article appearing in the trade newsletter Optical Networks and WDM, a monthly newsletter covering optical networks, WDM and SONET markets worldwide, November 2007 issue, discussing the Ericsson OMS 1400 Multi-Service Metro Edge multi-haul broadband Internet product (also discussed in expert testimonial letters). This article cites statements of Mr. Viglienzoni in his capacity as Head of Optical Network Products with Ericsson.

- Ericson Press Release dated October 2, 2007, describing Ericsson's newly released MH 3000, multi-haul optical broadband network platform, which had recently been selected for development by the U.S. government. The Press Release refers to a keynote address that Mr. Viglienzoni, Head of Optical Network Products at Ericsson would be delivering during the Optical Expo 2007.
- Article dated January 27, 2005 from Light Reading, an industry journal of the telecom industry, discussing the recent successes of the Marconi MH 3000 multi-haul optical platform. As confirmed elsewhere, Mr. Viglienzoni was the Head of Optical Network Products for Marconi/Ericsson and was responsible for managing the development and successful release of this product, which the article states, "offers operators a future-proof investment by allowing migration to future network designs such as Optical Transport Network (OTN). Its modular design makes it deal for use in metro, long-haul and ultra-long-haul applications, configurable for transmission spans of between 100 km to 4000 km."
- Article dated July 29, 2005 from Light Reading, an industry journal of the telecom industry, discussing Vodaphone's selection and deployment of the Marconi MH 3000 multi-haul system. As confirmed elsewhere, Mr. Viglienzoni was the Head of Optical Network Products for Marconi/Ericsson and was responsible for managing the development and successful release of this product. The article states , "The second link connects Cagliari,

Sardinia, to Mazara del Vallo, Sicily, over a distance of more than 370 km and was activated at the end of June 2005. The second link represents an important success for Marconi because it is a technological world first in terms of length and attenuation over a single span with non-amplified passive fibre, thus eliminating the need for costly regeneration”.

- Ericsson White Paper describing the Marconi MHL 3000 multi-haul optical broadband platform. As is confirmed elsewhere, Mr. Viglienzoni was the Head of Optical Network Products for Marconi/Ericsson and was responsible for managing the development and successful release of this product.
- Article dated 2014 from Head Reading, the research division of Light Reading, which “offers deep analysis of emerging telecom trends to network operators, technology suppliers and investors”. The article reports that Ericsson AB has emerged as a serious contender in the new but important placket optical transport system (P-OTS) market with the launch of a new product, the SPT 2700. The article quotes several statements by Mr. Viglienzoni, as Head of Optical Products for Ericsson.
- Ericsson Press Release dated November 6, 2007 announcing release of the Marconi OMS 14000 optical multi-service metro-edge optical networking platform. The article quotes a statement from Mr. Viglienzoni in his capacity as Head of Optical Networks products at Ericsson.
- Copy of company internal correspondence from Imation Corporation, the medical imaging system business that 3M Corporation spun off in 1997, which Mr. Viglienzoni became Business Development Director for. This correspondence shows Mr. Viglienzoni listed as member of various strategic planning groups for that company.
- An article discussing the Dry View™ photo thermographic imaging system that Mr. Viglienzoni was a chief inventor of and for which he managed the commercialization process for 3M Corporation (later spun off to become Imation Corporation, and then acquired by the Eastman Kodak Company). The article, dated 2009, by M. R. V. Sahyun, of the Society for Imaging Sciences and Technology, confirms that the 3M Corporation product was the first of its type and was a highly successful business for that company. Two product announcements of the Dry View™ product dating from 1995 and 1996 are also appended.
- Copy of 3M Corporation “Technical Circle of Excellence” award announcement, 1995, confirming award of recognition for technical leadership excellence to Mr. Viglienzoni for his efforts in connection with the development and release of the Dry View™ imaging system.
- Copies of 3M Corporation Internal company correspondence from 1986 and 1987, confirming award of “Genesis” research funding grants to Mr. Viglienzoni.
- Copy of brochure for the Integrated Research Centre for Photonic Networks and Technologies, located at Scuola Superiore Sant’Anna, Pisa Italy. As confirmed in several of the expert letters, see Exhibit C-6 and C-8. Mr. Viglienzoni was instrumental in creating this research centre while was employed with Marconi/Ericsson.
- Copies of industry and product analyses published by Current Analysis, an industry intelligence report for the telecommunications and related industries, covering optical telecommunications products released by Marconi/Ericsson during the time that Mr. Viglienzoni was heading the Optical Products Business for that company.

In this category we also reference Mr. Viglienzoni's leadership role with Photonics21 European Technology Platform, an Industry-governmental advisory body for developing and promoting the European Union's technology strategic plan for the photonics industry, which has been identified as a key future technology for Europe (as it is for developed economies generally). As confirmed by the testimonial letters and ad supported by additional publications and media coverage of Photonics21, Mr. Viglienzoni was one of the original founding members of Photonics21 when it was established in 2005, and from 2008 through 2013 he served as the Chair of the Work Group on Information and Communications Technologies (ICT), the area dedicated to creating photonics-based telecommunications technologies and infrastructure. Mr. Viglienzoni also served as a Member of The Executive Committee of the Fotonica Congress, in 2009 and 2010. Fotonica Congress is a leading International conference in the photonics field.

- Copies of the Photonics Public Private Partnership Multi Annual Roadmap "Towards 2020 – Photonics Driving Economic Growth in Europe", published along with the most recent Annual Report of Photonics21. The document includes a photograph of Mr. Viglienzoni and other members of Photonics21 presenting the Multi Annual Roadmap to Neelie Kroes, Vice President of the European Commission.
- Copy of Article/White Paper entitled "Excellent Prospects for Europe" published by the Secretariat of Photonics21. This article reviews the strategic importance of the photonics technology for Europe, and describes the role of Photonics21 in promoting strategic focus and investment on this sector. The article at page 4 lists Mr. Viglienzoni as Chair of the Work Group for Information and Communication of Photonics21.
- Copy of announcement of the International Conference on Applications of Optics and Photonics, held in Braga, Portugal, may 3-7, 2011, and confirming that Mr. Viglienzoni ad executive Board Member of Photonics21 would be delivering a keynote address at that conference.
- Copy of report posted on the website of Photonics21 describing an address given by Mr. Viglienzoni to the Annual General Meeting of the eMobility European Platform in 2010.
- Copy of report posted on the website of Photonics21 confirming that Mr. Viglienzoni chaired the Fotonica 2009 Conference, held in Pisa, Italy May 27-29, 2009.
- Copy of title page of presentation given by Mr. Viglienzoni at eMobility Steering Board Meeting, Brussels, Dec. 3, 2010, on "Proposal for an Optical Networks Joint Working Group"
- Document entitled "Records of eMobility Technology Platform General Assembly Meetings in 2010/2011". This document lists Mr. Viglienzoni as a participant in this General Assembly (representing Photonics21 European Technology Platform), and records some of his activities during that time.
- Copy taken from website of Networks, the European Technology Platform for communications networks and services, an advisory group like Photonics21 that focuses on the communications networks sector, with the goal of gathering industry leaders, Innovative SMEs, and leading academic institutions for the purpose of strengthening Europe's leadership in networking technology and services Mr. Viglienzoni is listed as a member of the Expert Advisory Group of Networks.

Accordingly, we believe Mr. Viglienzoni strongly qualifies as a person of extraordinary ability based on evidence of his numerous employment and leadership roles in a critical and essential

capacity for leading organizations and businesses operating in the optical electronics and photonics telecommunications fields.

C. Evidence of the alien's authorship of scholarly articles in the field, in professional journals, or other major media. 8 C.F.R. 204.5 (h)(3)(vi).

Mr. Viglienzoni's publication record includes scientific publications from his early career and his authorship of numerous published patents. Mr. Viglienzoni also has distinguished record of publications and presentations made in professional journals and at leading conferences and symposia in the fields of optical electronics and reflecting his wide recognition for his extraordinary technological and business leadership of distinguished companies and organizations in the field. As a member of the Board of Stakeholders and the executive Board of Photonics21 and Chair of the Information and Communication Technology (ICT) Work Group of Photonics21 European Technology Platform, Mr. Viglienzoni was responsible for the chapter on Information and Communication Technology in the Photonics21 Annual Reports, and his capacity as a key member of Photonics21 he has regularly made presentations at leading conferences and other meetings relating to photonics technology and investment strategy.

Scientific and technical articles and presentations made by Mr. Viglienzoni reflecting his status as a leading technical and business leader for photonics and optical communications

Index

- 2013 May 21/23 – Milan – Fotonica2013
Member of the Executive Committee

Invited paper and panel: "Photonics Networks for Convergent Architectures."
- 2013 February 1 – Brussels – Workshop Europe 2020: < New Frontiers of Silicon Photonics > Closing keynote speech: "Silicon Photonics and the European Technology Plan."
- 2013 January 23 – Wien – FFG Academy – Department European and International Programs Outlook for HORIZON 2020
Panel "Industry-led Partnerships within the EU R&I Framework Program – Outlook for Horizon2020."
- 2012 November 29/30 Berlin – Italian Embassy – Italian-German workshop on Smart Cities Invited paper: "ICT as enabler for Smart Cities."
- 2012 May 14/15 – Florence – Fotonica 2012
Member of Congress Executive Committee

Two papers:

"The Strategic Objectives of the European Technology Platform Photonics21."

“Broadband Connectivity as Enabler for Employment and Economic Growth.”.

- 2011 July 29 – Sestriere – ASP Summer School 2011 – Management of Innovation
“Innovation in Large Corporation – How Innovation is Spelled out by 3M and Ericsson.”.
- 2011 June 29 – 30 – Consultation Workshop on Future Research Challenges in the
Communications Networks Area (Presentation). .
- 2011 June 21 – Eindhoven – 3rd European Photonic Integration Forum EPIF 2011 Key
note speaker: “Photonic Integration in Optical Transport Networks.”.
- 2011 June 6 A. Viglienzoni (chair) and H. Al-Raweshidy (WNCC, University of Brunel,
co-chair): “*Next Generation Networks: Wireless-Optics Technologies*” Expert Working
Group White Paper, NetWorks, June 2011, [http://www.networks-
etp.eu/fileadmin/user_upload/Publications/position_White_Papers_RoF.pdf](http://www.networks-etp.eu/fileadmin/user_upload/Publications/position_White_Papers_RoF.pdf)
Issued as a final version in November by A. Viglienzoni and W.Mohr.

- 2011 May 9/11 Genova Fotonica 2011
Member of Executive Committee. Called upon to serve as Chairman one month before
the congress.

Organization and management of the Opening session.

Organized and moderated a panel on “Photonics for the Smart Cities”

Two papers:

“Photonics – One of five Key Enabling Technologies for the Future of Europe.”

“Large Area Technologies to Enable Competitive Next Generation Photovoltaic Systems
and NG Lighting Devices.”.

- 2011 March 29/30 – Heidelberg – Celtics-Plus
Invited paper: “The future depends on the decision made today: the Digital Village Large
Scale Action Proposal.” .
- 2010 October 26/28 – Paris CNIT, Broadband World Forum
Paper: “Developing the Synergy of IP + Optical in Backbone Networks.” .
- 2010 September 16, Venice – E-Mobility General Assembly
Invited paper: “Economic Relevance of Optical Communications in next Generation
Networks.” .

- 2006 March 6 –Presentation at 18th Annual Executive Forum of the Optoelectronics Industry Development Organization (OIDA) entitled “Changing Service Demands and the Value of the Transport Layer,” Anaheim, CA, archived on Moonlight Channel Video: <http://opticalkeyhole.com/moonlight/vbroadcsstws.asp?vidcoid=307&vidconame=Ericsson> .
- 2010 January – Author of the ICT section of the “Second Strategic Research Agenda in Photonics”
http://cordis.europa.eu/fp7/ict/photonics/docs/reports/ph21-sra-2_en.pdf
- 2010 May 25/27 – Fotonica2010 – Panel, ‘New Frontiers for Photonics’, Photonics as One of the Five Key Enabling Technologies for Europe.’.
- 2009 December 1/3 – Tokyo Rihga Royal Hotel OITDA – Global Strategy in Optical Innovation
Keynote invited paper: “Photonics21 – Towards a joint Strategy for Europe.”.
- 2009 October 22 – Chicago – SUPERCOMM “The Evolution of WDM.”.
- 2009 September 15/19 – Pisa – Photonics in Switching
Viglienzoni, R.M.Dorward “The Evolution of Switching Technologies in DWDM Networks.”.
- 2009 May 27/29 – Pisa – Fotonica2009 Congress Chairman
Moderator of open ceremony and first session, a panel attended by Italian Minister of Telecommunications and CEO-CTO levels of all major Italian vendors and operators
Key note: “Network evolution and elements for achieving increased flexibility.”.
- 2009 December 1 – Optoelectronics Industry Development Association (OIDA) Annual Forum – Panel Discussion – “Photonic Integration: A Critical Enabler for Communications.”
- 2008 August 4/7 – Sapporo Hokkaido University – Int. Conference on Photonics in Switching Keynote invited opening presentation: “Evolution of Products and Enabling Technologies for Optical Networks.”.
- 2007 September 16-20 Berlin ECOC2007

Member of the Technical Committee

Moderator and panelist of the “Symposium on Broadband Access Technologies.” .

- 2007 October 2/3 – Dallas – Light Reading and Heavy Reading’s Optical Expo 2007
Invited paper: “Technologies Enabling Optical Transport Network Evolution.”.
- 2007 May 21/23 – Mantova – Fotonica2007
Member of the Executive Committee

Open key note: “FTTX: which is the model for investments and positive financial returns?”

Invited paper: A. Viglienzoni, G. Fiaschi “Routing Algorithms in Translucent Networks.”.
- 2006 October 23/24 – Xi’an, China – China/Italy Bilateral Workshop on Photonics for Communication and Sensing
Invited paper: “Photonics as enabler for NG Networks.”.
- 2006 March 6 – Los Angeles – OSA 2006 Executive Forum
Invited speech: “Changing Service Demand and the Value of the Transport Layer.”.
- 2005 May 29 / June 1 – Trani – Fotonica2005
Invited paper: “Evolution and Enabling Technologies for the Optical Transport Networks.”
- 2005 April 7/8 “International workshop on Optical Networking” University of Padova.
Keynote speech: “Evolution of high Capacity long haul Systems towards OTN Hierarchy.”.
- 2004 March 31 – IIR London – ‘Examining the Drivers for and Development of Generic Framing Procedure (GFP) to Enable the transport of Multiservice Traffic.’
- 2004 June 30 – Rome – AICT/AEIT Workshop “Optical Networking”
Invited paper: A. Viglienzoni, A.Damele “The evolution of Optical Transport Products.”.
- 2004 September 28 – Milan – Optical Network Evolution Workshop
Invited paper: “The Evolution of Optical Products for more Intelligent Transport Networks.”.

- 2000 October 3 – Presentation – “Management of M&A Operations “Congress – “Management of Acquisition of Internet Companies.”.

Papers on Radiography – before 1998

- 1998 October 8 – Florence MEDICI – European Commission, DG XIII and EU Commission Presidency
Invited talk: “Cultural Heritage, preservation through digital techniques.”.
- 1995 “Elementi Di Tecnologia in Radiologia E Diagnostica per Immagini”: Second Edition – Chapter in a Radiology Book for University and Higher Education Students – Professor R. Passariello, Editor, University of Rome.
- 1989 March Saint Paul, Society for Imaging Science and Technology (IS&T) 44th Congress – “Evaluation Methods and Digital Radiography”, “Merit Figures for Image Quality Evaluation in a Digital Radiography System and Correlation with Clinical Examination.”.
- 1988 August 29 – September 2 – International Congress on Defects in Insulating Crystals “Some connection between luminescence properties and lattice point defects in Y₂SiO₅:Tb³⁺”
Viglienzoni, S.Kemmler-Sack, and J.Reichardt (University of Tuebingen).

D. Published material in professional or major trade publications or major media about the alien, relating to the alien’s work in the field for which classification is sought. 8 C.F.R. §204.5(h)(3)(III).

Mr. Viglienzoni’ s record of extraordinarily successful technology commercialization programs leading to major products gaining large market share and revenues with 3M/Imation and later with Marconi/Ericsson. Copies of documents showing that Mr. Viglienzoni’ s papers and presentations have been cited in scientific publications and patent applications of other scientists and technology experts in the fields of photonics and optical communications over many years.

E. Evidence of the alien’s participation on a panel, or individually, as a judge of the work of others in the same or allied field of specialization to that for which classification is sought. 8 C.F.R. §204.5(h)(3)(iv).

Over the course of his distinguished career, Dr. Viglienzoni has also served as a judge of referee of the work of others through his participation on the technical or executive committees of leading conferences in the field where he was responsible for setting agendas and for reviewing the selection of papers to be presented. Evidence of this includes the following:

Testimonial letter, Professor Dr. Ing. Hans-Joachim Grallert confirms that Mr. Viglienzoni served on the Technical Committee of the European Conference on Optical Communications 2007 (ECOC 2007) and that he was responsible for reviewing and selecting the papers to be published in that conference from a pool of more than 600 submitted.

Additional copies of conference materials for the Fotonica Congress show Mr. Viglienzoni as a member of the Technical Committees and Executive Committees for those conferences for the years 2009 through 2014, wherein, he also was responsible for reviewing and selecting the technical materials for those conferences. Fotonica Congress is a major conference in the photonics field.

- Copy of Announcement of the 33rd European Conference and Exhibition on Optical Communication, September 16 – 20, 2007, Berlin, Germany, Mr. Viglienzoni is listed as a member of the Technical Committee of that conference, responsible for reviewing and selecting scientific papers to be published at the conference.

- Copy of Announcement of the Fotonica 2007 Conference, for which Mr. Viglienzoni was a member of the Technical Committee, responsible for reviewing and selecting scientific papers to be published at the conference.

- Copy of Announcement of the Fotonica 2013 Conference, for which Mr. Viglienzoni was a member of the Executive Committee, responsible for setting the agenda for the conference and for making ultimate decisions to select presenters and their scientific papers to be published at the conference.

- Copy of Announcement of the Fotonica 2011 Conference, for which Mr. Viglienzoni was a member of the Executive Committee, responsible for setting the agenda for the conference and for making ultimate decisions to select presenters and their scientific papers to be published at the conference. Mr. Viglienzoni was selected at short notice to serve as Chairman of the conference after the previous incumbent was unable to attend.

- Copy of Announcement of the Fotonica 2012 Conference, for which Mr. Viglienzoni was a member of the Executive Committee, responsible for setting the agenda for the conference and for making ultimate decisions to select presenters and their scientific papers to be published at the conference.

- Copy of Announcement of the Fotonica 2014 Conference, for which Mr. Viglienzoni was a member of the Executive Committee, responsible for setting the agenda for the conference and for making ultimate decisions to select presenters and their scientific papers to be published at the conference.

Lista parziale Brevetti

Patent number: 6007971

Title: Apparatus, system, and method for processing photothermographic elements

Abstract: An apparatus, system, and method for processing photothermographic elements. The apparatus thermally develops a photothermographic element by heating the photothermographic element between a heated member, having a resilient layer, and a plurality of rollers. The apparatus can be a component of other apparatus and systems including those having the ability to expose the photothermographic element to form a latent image.

Type: Grant

Filed: October 9, 1997

Issued: December 28, 1999

Assignee: Minnesota Mining and Manufacturing

Inventors: Alfredo G. Viglienzoni, Paul C. Star, John A. Svendsen, John J. Allen, Michael P. Juare, Anderson L. Griffin, John O. Kirkwold, Steven W. Sorensen, Ralph E. Peterson

Extensions and CIPs:

1. EP0924566
2. CN1147867A,
3. DE69512402D1,
4. DE69512402T2,
5. DE69534266D1,
6. DE69534266T2,
7. EP0760969A1,
8. EP0760969B1,
9. EP0924566A2,
10. EP0924566B1,
11. WO1995030934A1

Patent number: 5780207

Title: Imaging process for imaging materials

Abstract: A process for exposing a silver halide-containing photothermographic element with radiation to produce a latent image comprising a) providing a source of radiation which emits a beam of radiation to produce a spot having at least one dimension of height or length of less than 600 micrometers at a target site, b) providing at said target site a photothermographic silver halide element sensitive to radiation emitted by said radiation source, c) emitting radiation a first time in an imagewise distribution from said radiation source so that said radiation strikes said element as spots having at least one dimension of length or width which is less than 250 micrometers, and d) then emitting radiation a second time in an imagewise distributed manner so that at least some spots from radiation emitted said second time overlap spots where said first emitted radiation struck said photothermographic element.

Type: Grant

Filed: January 17, 1997

Issued: July 14, 1998

Assignee: Imation Corp.

Inventors: Alfredo G. Viglienzoni, Sarat K. Mohapatra, Gregory W. Onstad

Extensions and CIPs:

1. CA2189982A1
2. DE69521427D1
3. DE69521427T2
4. EP0759188A1
5. EP0759188B1
6. WO1995031754A1

Patent number: 5984543

Apparatus and method for processing and digitizing a light-sensitive photographic element

Abstract: An apparatus for processing and digitizing an exposed silver halide photographic film comprises processing means in which said exposed photographic film is processed to form an analog image on said film, and digitizing means in which said analog image is photoelectrically read-out to form a digital image representing said analog image. Means for processing the exposed photographic film comprises means for developing, stabilizing and drying of said film. Digitization is effected on a photographic film which has been developed but not fixed and which retains both image-wise developed metallic silver and undeveloped silver halide grains.

Type: Grant

Filed: May 5, 1997

Issued: November 16, 1999

Assignee: Minnesota Mining and Manufacturing

Inventors: Alfredo Viglienzoni, Piero Ramello

Extensions and CIPs :

1. EP 0806860 A1

Patent number: 5208459

Method and apparatus for reading-out a photostimulable phosphor panel

Abstract: A method for reading-out a radiation image stored in a structured type photostimulable phosphor panel, wherein the phosphor is in a

plurality of cells ordered in parallel rows in an inert substrate, comprising the steps of: photostimulating contemporaneously and uniformly along a scanning line all the cells belonging to the same row, causing each cell in said row to emit light according to the energy stored therein, collecting the emitted light and converting it into electrical signals, processing contemporaneously and separately the light emitted by each cell along the scanning line.

Type: Grant

Filed: October 3, 1991

Issued: May 4, 1993

Assignee: Minnesota Mining and Manufacturing Company

Inventors: Alfredo Viglienzoni, Luciano Morrone

Extensions and CIPs:

1. CA2052804A1
2. EP0479027A2
3. EP0479027A

Patent Number: 0001197792

Deposit date : July 22, 1986

Granted on: December 6, 1988

Title: New ionizing radiation dosimeter cartridge, readout device and method to calculate absorbed radiation and impinging radiation energy

Assigned to:

MINNESOTA MINING AND MANUFACTURING CO.A ST.PAUL MINNESOTA U.S.A

Inventors :

ALFREDO VIGLIENZONI

LUCIANO MORRONE

Patent Number: 0001196938

Deposited date: July 09, 1986

Granted on: November 25, 1988

Title: Method to register and reproduce images generated through ionizing radiation, a panel to store information provided by the ionizing radiation beam, photostimulable phosphors and method to produce such materials.

Assigned to:

MINNESOTA MINING AND MANUFACTURING CO.A MINNESOTA U.S.A. |

Inventors :

ALFREDO VIGLIENZONI

ROMANO MORLOTTI

FLORIAN KRAWIETZ

Patent Number: 0001236561

Application date: October 31, 1989

Granted on: March 11, 1993

Title: Phosphor panels to form images and methods for their production

Assigned to:

MINNESOTA MINING AND MANUFACTURING COMPANY USA (USA)

Inventors :

VIGLIENZONI ALFREDO

ALIBERTI ROBERTO

Patent Number: 0001249543

Application date: October 5, 1990

Granted on: February 28, 1995

Title: Method and system to readout a photostimulable phosphor panel

Assigned to:

MINNESOTA MINING AND MANUFACTURING COMPANY U.S.A.

Inventors :

VIGLIENZONI ALFREDO

ALIBERTI ROBERTO

Evidence that the alien has been employed in a critical or essential capacity for organizations and establishments that have a distinguished reputation. 8 C.F.R. 204.5 (h)(viii)

Referenced testimonial letters from leading experts in the field of optics and telecommunications, extensively describes instances in which Mr. Viglienzoni has been employed extensively in a critical and essential capacity for well-known international corporations over the span of four decades, in which he led major R&D and commercialization programs for new opt mechanical and optical photonics telecommunications technologies and systems that were highly successful and highly regarded for their innovation and business success internationally. Mr. Viglienzoni 's leadership roles in a critical and essential capacity for distinguished organizations include his positions as a Program Director and Product Development head for 3M and 3M Medical Imaging Systems; his position as a Business Development Director for Imation Corporation (1991-1998); his role as Head of Products, and as Head of Strategic Programs and IP and Broadband Chief Technology Officer and Business Development Director for Marconi, then Ericsson over a span of twelve years (2001-2013).

Along with the testimonial letters, there are a lot of various product reviews, press releases and other written materials concerning the successful product and technology programs that Mr. Viglienzoni led and managed, including instances of him being featured as a spokesperson in those materials. Article appearing in the trade newsletter Optical Networks and WDM, a monthly newsletter covering optical networks, WDM and SONET markets worldwide, November 2007 issue, discussing the Ericsson OMS 1400 Multi-Service Metro Edge multi-haul broadband Internet product (also discussed in expert testimonial letters). This article cites statements of Mr. Viglienzoni in his capacity as Head of Optical Network Products with Ericsson.

- Ericson Press Release dated October 2, 2007, describing Ericsson's newly released MH 3000, multi-haul optical broadband network platform, which had recently been selected for development by the U.S. government. The Press Release refers to a keynote address that Mr. Viglienzoni, Head of Optical Network Products at Ericsson would be delivering during the Optical Expo 2007.
- Article dated January 27, 2005 from Light Reading, an industry journal of the telecom industry, discussing the recent successes of the Marconi MH 3000 multi-haul optical platform. As confirmed elsewhere, Mr. Viglienzoni was the Head of Optical Network Products for Marconi/Ericsson and was responsible for managing the development and successful release of this product, which the article states, "offers operators a future-proof investment by allowing migration to future network designs such as Optical Transport Network (OTN). Its modular design makes it deal for use in metro, long-haul and ultra-long-haul applications, configurable for transmission spans of between 100 km to 4000 km."
- Article dated July 29, 2005 from Light Reading, an industry journal of the telecom industry, discussing Vodaphone's selection and deployment of the Marconi MH 3000 multi-haul system. As confirmed elsewhere, Mr. Viglienzoni was the Head of Optical Network Products for Marconi/Ericsson and was responsible for managing the development and successful release of this product. The article states , "The second link connects Cagliari,

Sardinia, to Mazara del Vallo, Sicily, over a distance of more than 370 km and was activated at the end of June 2005. The second link represents an important success for Marconi because it is a technological world first in terms of length and attenuation over a single span with non-amplified passive fibre, thus eliminating the need for costly regeneration”.

- Ericsson White Paper describing the Marconi MHL 3000 multi-haul optical broadband platform. As is confirmed elsewhere, Mr. Viglienzoni was the Head of Optical Network Products for Marconi/Ericsson and was responsible for managing the development and successful release of this product.
- Article dated 2014 from Head Reading, the research division of Light Reading, which “offers deep analysis of emerging telecom trends to network operators, technology suppliers and investors”. The article reports that Ericsson AB has emerged as a serious contender in the new but important placket optical transport system (P-OTS) market with the launch of a new product, the SPT 2700. The article quotes several statements by Mr. Viglienzoni, as Head of Optical Products for Ericsson.
- Ericsson Press Release dated November 6, 2007 announcing release of the Marconi OMS 14000 optical multi-service metro-edge optical networking platform. The article quotes a statement from Mr. Viglienzoni in his capacity as Head of Optical Networks products at Ericsson.
- Copy of company internal correspondence from Imation Corporation, the medical imaging system business that 3M Corporation spun off in 1997, which Mr. Viglienzoni became Business Development Director for. This correspondence shows Mr. Viglienzoni listed as member of various strategic planning groups for that company.
- An article discussing the Dry View™ photo thermographic imaging system that Mr. Viglienzoni was a chief inventor of and for which he managed the commercialization process for 3M Corporation (later spun off to become Imation Corporation, and then acquired by the Eastman Kodak Company). The article, dated 2009, by M. R. V. Sahyun, of the Society for Imaging Sciences and Technology, confirms that the 3M Corporation product was the first of its type and was a highly successful business for that company. Two product announcements of the Dry View™ product dating from 1995 and 1996 are also appended.
- Copy of 3M Corporation “Technical Circle of Excellence” award announcement, 1995, confirming award of recognition for technical leadership excellence to Mr. Viglienzoni for his efforts in connection with the development and release of the Dry View™ imaging system.
- Copies of 3M Corporation Internal company correspondence from 1986 and 1987, confirming award of “Genesis” research funding grants to Mr. Viglienzoni.
- Copy of brochure for the Integrated Research Centre for Photonic Networks and Technologies, located at Scuola Superiore Sant’Anna, Pisa Italy. As confirmed in several of the expert letters, see Exhibit C-6 and C-8. Mr. Viglienzoni was instrumental in creating this research centre while was employed with Marconi/Ericsson.
- Copies of industry and product analyses published by Current Analysis, an industry intelligence report for the telecommunications and related industries, covering optical telecommunications products released by Marconi/Ericsson during the time that Mr. Viglienzoni was heading the Optical Products Business for that company.

In this category we also reference Mr. Viglienzoni' s leadership role with Photonics21 European Technology Platform, an Industry-governmental advisory body for developing and promoting the European Union's technology strategic plan for the photonics industry, which has been identified as a key future technology for Europe (as it is for developed economies generally). As confirmed by the testimonial letters and ad supported by additional publications and media coverage of Photonics21, Mr. Viglienzoni was one of the original founding members of Photonics21 when it was established in 2005, and from 2008 through 2013 he served as the Chair of the Work Group on Information and Communications Technologies (ICT), the area dedicated to creating photonics-based telecommunications technologies and infrastructure. Mr. Viglienzoni also served as a Member of The Executive Committee of the Fotonica Congress, in 2009 and 2010. Fotonica Congress is a leading International conference in the photonics field.

- Copies of the Photonics Public Private Partnership Multi Annual Roadmap "Towards 2020 – Photonics Driving Economic Growth in Europe", published along with the most recent Annual Report of Photonics21. The document includes a photograph of Mr. Viglienzoni and other members of Photonics21 presenting the Multi Annual Roadmap to Neelie Kroes, Vice President of the European Commission.
- Copy of Article/White Paper entitled "Excellent Prospects for Europe" published by the Secretariat of Photonics21. This article reviews the strategic importance of the photonics technology for Europe, and describes the role of Photonics21 in promoting strategic focus and investment on this sector. The article at page 4 lists Mr. Viglienzoni as Chair of the Work Group for Information and Communication of Photonics21.
- Copy of announcement of the International Conference on Applications of Optics and Photonics, held in Braga, Portugal, may 3-7, 2011, and confirming that Mr. Viglienzoni ad executive Board Member of Photonics21 would be delivering a keynote address at that conference.
- Copy of report posted on the website of Photonics21 describing an address given by Mr. Viglienzoni to the Annual General Meeting of the eMobility European Platform in 2010.
- Copy of report posted on the website of Photonics21 confirming that Mr. Viglienzoni chaired the Fotonica 2009 Conference, held in Pisa, Italy May 27-29, 2009.
- Copy of title page of presentation given by Mr. Viglienzoni at eMobility Steering Board Meeting, Brussels, Dec. 3, 2010, on "Proposal for an Optical Networks Joint Working Group"
- Document entitled "Records of eMobility Technology Platform General Assembly Meetings in 2010/2011". This document lists Mr. Viglienzoni as a participant in this General Assembly (representing Photonics21 European Technology Platform), and records some of his activities during that time.
- Copy taken from website of Networks, the European Technology Platform for communications networks and services, an advisory group like Photonics21 that focuses on the communications networks sector, with the goal of gathering industry leaders, Innovative SMEs, and leading academic institutions for the purpose of strengthening Europe's leadership in networking technology and services Mr. Viglienzoni is listed as a member of the Expert Advisory Group of Networks.

Accordingly, we believe Mr. Viglienzoni strongly qualifies as a person of extraordinary ability based on evidence of his numerous employment and leadership roles in a critical and essential

capacity for leading organizations and businesses operating in the optical electronics and photonics telecommunications fields.

Evidence of the alien's authorship of scholarly articles in the field, in professional journals, or other major media. 8 C.F.R. 204.5 (h)(3)(vi).

Mr. Viglienzoni's publication record includes scientific publications from his early career and his authorship of numerous published patents. Mr. Viglienzoni also has distinguished record of publications and presentations made in professional journals and at leading conferences and symposia in the fields of optical electronics and reflecting his wide recognition for his extraordinary technological and business leadership of distinguished companies and organizations in the field. As a member of the Board of Stakeholders and the executive Board of Photonics21 and Chair of the Information and Communication Technology (ICT) Work Group of Photonics21 European Technology Platform, Mr. Viglienzoni was responsible for the chapter on Information and Communication Technology in the Photonics21 Annual Reports, and his capacity as a key member of Photonics21 he has regularly made presentations at leading conferences and other meetings relating to photonics technology and investment strategy.

Scientific and technical articles and presentations made by Mr. Viglienzoni reflecting his status as a leading technical and business leader for photonics and optical communications

Index

- 2013 May 21/23 – Milan – Fotonica2013
Member of the Executive Committee

Invited paper and panel: "Photonics Networks for Convergent Architectures."
- 2013 February 1 – Brussels – Workshop Europe 2020: < New Frontiers of Silicon Photonics > Closing keynote speech: "Silicon Photonics and the European Technology Plan."
- 2013 January 23 – Wien – FFG Academy – Department European and International Programs Outlook for HORIZON 2020
Panel "Industry-led Partnerships within the EU R&I Framework Program – Outlook for Horizon2020."
- 2012 November 29/30 Berlin – Italian Embassy – Italian-German workshop on Smart Cities
Invited paper: "ICT as enabler for Smart Cities."
- 2012 May 14/15 – Florence – Fotonica 2012
Member of Congress Executive Committee

Two papers:

"The Strategic Objectives of the European Technology Platform Photonics21."

“Broadband Connectivity as Enabler for Employment and Economic Growth.”.

- 2011 July 29 – Sestriere – ASP Summer School 2011 – Management of Innovation
“Innovation in Large Corporation – How Innovation is Spelled out by 3M and Ericsson.”.
- 2011 June 29 – 30 – Consultation Workshop on Future Research Challenges in the
Communications Networks Area (Presentation). .
- 2011 June 21 – Eindhoven – 3rd European Photonic Integration Forum EPIF 2011 Key
note speaker: “Photonic Integration in Optical Transport Networks.”.
- 2011 June 6 A. Viglienzoni (chair) and H. Al-Raweshidy (WNCC, University of Brunel,
co-chair): “*Next Generation Networks: Wireless-Optics Technologies*” Expert Working
Group White Paper, NetWorks, June 2011, [http://www.networks-
etp.eu/fileadmin/user_upload/Publications/position_White_Papers_RoF.pdf](http://www.networks-etp.eu/fileadmin/user_upload/Publications/position_White_Papers_RoF.pdf)
Issued as a final version in November by A. Viglienzoni and W.Mohr.

- 2011 May 9/11 Genova Fotonica 2011
Member of Executive Committee. Called upon to serve as Chairman one month before
the congress.

Organization and management of the Opening session.

Organized and moderated a panel on “Photonics for the Smart Cities”

Two papers:

“Photonics – One of five Key Enabling Technologies for the Future of Europe.”

“Large Area Technologies to Enable Competitive Next Generation Photovoltaic Systems
and NG Lighting Devices.”.

- 2011 March 29/30 – Heidelberg – Celtics-Plus
Invited paper: “The future depends on the decision made today: the Digital Village Large
Scale Action Proposal.” .
- 2010 October 26/28 – Paris CNIT, Broadband World Forum
Paper: “Developing the Synergy of IP + Optical in Backbone Networks.” .
- 2010 September 16, Venice – E-Mobility General Assembly
Invited paper: “Economic Relevance of Optical Communications in next Generation
Networks.” .

- 2006 March 6 –Presentation at 18th Annual Executive Forum of the Optoelectronics Industry Development Organization (OIDA) entitled “Changing Service Demands and the Value of the Transport Layer,” Anaheim, CA, archived on Moonlight Channel Video: <http://opticalkeyhole.com/moonlight/vbroadcsstws.asp?vidcoid=307&vidconame=Ericsson> .
- 2010 January – Author of the ICT section of the “Second Strategic Research Agenda in Photonics”
http://cordis.europa.eu/fp7/ict/photonics/docs/reports/ph21-sra-2_en.pdf
- 2010 May 25/27 – Fotonica2010 – Panel, ‘New Frontiers for Photonics’, Photonics as One of the Five Key Enabling Technologies for Europe.’.
- 2009 December 1/3 – Tokyo Rihga Royal Hotel OITDA – Global Strategy in Optical Innovation
Keynote invited paper: “Photonics21 – Towards a joint Strategy for Europe.”.
- 2009 October 22 – Chicago – SUPERCOMM “The Evolution of WDM.”.
- 2009 September 15/19 – Pisa – Photonics in Switching
Viglienzoni, R.M.Dorward “The Evolution of Switching Technologies in DWDM Networks.”.
- 2009 May 27/29 – Pisa – Fotonica2009 Congress Chairman
Moderator of open ceremony and first session, a panel attended by Italian Minister of Telecommunications and CEO-CTO levels of all major Italian vendors and operators
Key note: “Network evolution and elements for achieving increased flexibility.”.
- 2009 December 1 – Optoelectronics Industry Development Association (OIDA) Annual Forum – Panel Discussion – “Photonic Integration: A Critical Enabler for Communications.”
- 2008 August 4/7 – Sapporo Hokkaido University – Int. Conference on Photonics in Switching Keynote invited opening presentation: “Evolution of Products and Enabling Technologies for Optical Networks.”.
- 2007 September 16-20 Berlin ECOC2007

Member of the Technical Committee

Moderator and panelist of the “Symposium on Broadband Access Technologies.” .

- 2007 October 2/3 – Dallas – Light Reading and Heavy Reading’s Optical Expo 2007
Invited paper: “Technologies Enabling Optical Transport Network Evolution.”.
- 2007 May 21/23 – Mantova – Fotonica2007
Member of the Executive Committee

Open key note: “FTTX: which is the model for investments and positive financial returns?”

Invited paper: A. Viglienzoni, G. Fiaschi “Routing Algorithms in Translucent Networks.”.
- 2006 October 23/24 – Xi’an, China – China/Italy Bilateral Workshop on Photonics for Communication and Sensing
Invited paper: “Photonics as enabler for NG Networks.”.
- 2006 March 6 – Los Angeles – OSA 2006 Executive Forum
Invited speech: “Changing Service Demand and the Value of the Transport Layer.”.
- 2005 May 29 / June 1 – Trani – Fotonica2005
Invited paper: “Evolution and Enabling Technologies for the Optical Transport Networks.”
- 2005 April 7/8 “International workshop on Optical Networking” University of Padova.
Keynote speech: “Evolution of high Capacity long haul Systems towards OTN Hierarchy.”.
- 2004 March 31 – IIR London – ‘Examining the Drivers for and Development of Generic Framing Procedure (GFP) to Enable the transport of Multiservice Traffic.’
- 2004 June 30 – Rome – AICT/AEIT Workshop “Optical Networking”
Invited paper: A. Viglienzoni, A.Damele “The evolution of Optical Transport Products.”.
- 2004 September 28 – Milan – Optical Network Evolution Workshop
Invited paper: “The Evolution of Optical Products for more Intelligent Transport Networks.”.

- 2000 October 3 – Presentation – “Management of M&A Operations “Congress – “Management of Acquisition of Internet Companies.”.

Papers on Radiography – before 1998

- 1998 October 8 – Florence MEDICI – European Commission, DG XIII and EU Commission Presidency
Invited talk: “Cultural Heritage, preservation through digital techniques.”.
- 1995 “Elementi Di Tecnologia in Radiologia E Diagnostica per Immagini”: Second Edition – Chapter in a Radiology Book for University and Higher Education Students – Professor R. Passariello, Editor, University of Rome.
- 1989 March Saint Paul, Society for Imaging Science and Technology (IS&T) 44th Congress – “Evaluation Methods and Digital Radiography”, “Merit Figures for Image Quality Evaluation in a Digital Radiography System and Correlation with Clinical Examination.”.
- 1988 August 29 – September 2 – International Congress on Defects in Insulating Crystals “Some connection between luminescence properties and lattice point defects in Y₂SiO₅:Tb³⁺”
Viglienzoni, S.Kemmler-Sack, and J.Reichardt (University of Tuebingen).

Published material in professional or major trade publications or major media about the alien, relating to the alien’s work in the field for which classification is sought. 8 C.F.R. §204.5(h)(3)(III).

Mr. Viglienzoni’ s record of extraordinarily successful technology commercialization programs leading to major products gaining large market share and revenues with 3M/Imation and later with Marconi/Ericsson. Copies of documents showing that Mr. Viglienzoni’ s papers and presentations have been cited in scientific publications and patent applications of other scientists and technology experts in the fields of photonics and optical communications over many years.

Evidence of the alien’s participation on a panel, or individually, as a judge of the work of others in the same or allied field of specialization to that for which classification is sought. 8 C.F.R. §204.5(h)(3)(iv).

Over the course of his distinguished career, Dr. Viglienzoni has also served as a judge of referee of the work of others through his participation on the technical or executive committees of leading conferences in the field where he was responsible for setting agendas and for reviewing the selection of papers to be presented. Evidence of this includes the following:

Testimonial letter, Professor Dr. Ing. Hans-Joachim Grallert confirms that Mr. Viglienzoni served on the Technical Committee of the European Conference on Optical Communications 2007 (ECOC 2007) and that he was responsible for reviewing and selecting the papers to be published in that conference from a pool of more than 600 submitted.

Additional copies of conference materials for the Fotonica Congress show Mr. Viglienzoni as a member of the Technical Committees and Executive Committees for those conferences for the years 2009 through 2014, wherein, he also was responsible for reviewing and selecting the technical materials for those conferences. Fotonica Congress is a major conference in the photonics field.

- Copy of Announcement of the 33rd European Conference and Exhibition on Optical Communication, September 16 – 20, 2007, Berlin, Germany, Mr. Viglienzoni is listed as a member of the Technical Committee of that conference, responsible for reviewing and selecting scientific papers to be published at the conference.

- Copy of Announcement of the Fotonica 2007 Conference, for which Mr. Viglienzoni was a member of the Technical Committee, responsible for reviewing and selecting scientific papers to be published at the conference.

- Copy of Announcement of the Fotonica 2013 Conference, for which Mr. Viglienzoni was a member of the Executive Committee, responsible for setting the agenda for the conference and for making ultimate decisions to select presenters and their scientific papers to be published at the conference.

- Copy of Announcement of the Fotonica 2011 Conference, for which Mr. Viglienzoni was a member of the Executive Committee, responsible for setting the agenda for the conference and for making ultimate decisions to select presenters and their scientific papers to be published at the conference. Mr. Viglienzoni was selected at short notice to serve as Chairman of the conference after the previous incumbent was unable to attend.

- Copy of Announcement of the Fotonica 2012 Conference, for which Mr. Viglienzoni was a member of the Executive Committee, responsible for setting the agenda for the conference and for making ultimate decisions to select presenters and their scientific papers to be published at the conference.

- Copy of Announcement of the Fotonica 2014 Conference, for which Mr. Viglienzoni was a member of the Executive Committee, responsible for setting the agenda for the conference and for making ultimate decisions to select presenters and their scientific papers to be published at the conference.

Lista parziale Brevetti

Patent number: 6007971

Title: Apparatus, system, and method for processing photothermographic elements

Abstract: An apparatus, system, and method for processing photothermographic elements. The apparatus thermally develops a photothermographic element by heating the photothermographic element between a heated member, having a resilient layer, and a plurality of rollers. The apparatus can be a component of other apparatus and systems including those having the ability to expose the photothermographic element to form a latent image.

Type: Grant

Filed: October 9, 1997

Issued: December 28, 1999

Assignee: Minnesota Mining and Manufacturing

Inventors: Alfredo G. Viglienzoni, Paul C. Star, John A. Svendsen, John J. Allen, Michael P. Juare, Anderson L. Griffin, John O. Kirkwold, Steven W. Sorensen, Ralph E. Peterson

Extensions and CIPs:

1. EP0924566
2. CN1147867A,
3. DE69512402D1,
4. DE69512402T2,
5. DE69534266D1,
6. DE69534266T2,
7. EP0760969A1,
8. EP0760969B1,
9. EP0924566A2,
10. EP0924566B1,
11. WO1995030934A1

Patent number: 5780207

Title: Imaging process for imaging materials

Abstract: A process for exposing a silver halide-containing photothermographic element with radiation to produce a latent image comprising a) providing a source of radiation which emits a beam of radiation to produce a spot having at least one dimension of height or length of less than 600 micrometers at a target site, b) providing at said target site a photothermographic silver halide element sensitive to radiation emitted by said radiation source, c) emitting radiation a first time in an imagewise distribution from said radiation source so that said radiation strikes said element as spots having at least one dimension of length or width which is less than 250 micrometers, and d) then emitting radiation a second time in an imagewise distributed manner so that at least some spots from radiation emitted said second time overlap spots where said first emitted radiation struck said photothermographic element.

Type: Grant

Filed: January 17, 1997

Issued: July 14, 1998

Assignee: Imation Corp.

Inventors: Alfredo G. Viglienzoni, Sarat K. Mohapatra, Gregory W. Onstad

Extensions and CIPs:

1. CA2189982A1
2. DE69521427D1
3. DE69521427T2
4. EP0759188A1
5. EP0759188B1
6. WO1995031754A1

Patent number: 5984543

Apparatus and method for processing and digitizing a light-sensitive photographic element

Abstract: An apparatus for processing and digitizing an exposed silver halide photographic film comprises processing means in which said exposed photographic film is processed to form an analog image on said film, and digitizing means in which said analog image is photoelectrically read-out to form a digital image representing said analog image. Means for processing the exposed photographic film comprises means for developing, stabilizing and drying of said film. Digitization is effected on a photographic film which has been developed but not fixed and which retains both image-wise developed metallic silver and undeveloped silver halide grains.

Type: Grant

Filed: May 5, 1997

Issued: November 16, 1999

Assignee: Minnesota Mining and Manufacturing

Inventors: Alfredo Viglienzoni, Piero Ramello

Extensions and CIPs :

1. EP 0806860 A1

Patent number: 5208459

Method and apparatus for reading-out a photostimulable phosphor panel

Abstract: A method for reading-out a radiation image stored in a structured type photostimulable phosphor panel, wherein the phosphor is in a

plurality of cells ordered in parallel rows in an inert substrate, comprising the steps of: photostimulating contemporaneously and uniformly along a scanning line all the cells belonging to the same row, causing each cell in said row to emit light according to the energy stored therein, collecting the emitted light and converting it into electrical signals, processing contemporaneously and separately the light emitted by each cell along the scanning line.

Type: Grant

Filed: October 3, 1991

Issued: May 4, 1993

Assignee: Minnesota Mining and Manufacturing Company

Inventors: Alfredo Viglienzoni, Luciano Morrone

Extensions and CIPs:

1. CA2052804A1
2. EP0479027A2
3. EP0479027A

Patent Number: 0001197792

Deposit date : July 22, 1986

Granted on: December 6, 1988

Title: New ionizing radiation dosimeter cartridge, readout device and method to calculate absorbed radiation and impinging radiation energy

Assigned to:

MINNESOTA MINING AND MANUFACTURING CO.A ST.PAUL MINNESOTA U.S.A

Inventors :

ALFREDO VIGLIENZONI

LUCIANO MORRONE

Patent Number: 0001196938

Deposited date: July 09, 1986

Granted on: November 25, 1988

Title: Method to register and reproduce images generated through ionizing radiation, a panel to store information provided by the ionizing radiation beam, photostimulable phosphors and method to produce such materials.

Assigned to:

MINNESOTA MINING AND MANUFACTURING CO.A MINNESOTA U.S.A. |

Inventors :

ALFREDO VIGLIENZONI

ROMANO MORLOTTI

FLORIAN KRAWIETZ

Patent Number: 0001236561

Application date: October 31, 1989

Granted on: March 11, 1993

Title: Phosphor panels to form images and methods for their production

Assigned to:

MINNESOTA MINING AND MANUFACTURING COMPANY USA (USA)

Inventors :

VIGLIENZONI ALFREDO

ALIBERTI ROBERTO

Patent Number: 0001249543

Application date: October 5, 1990

Granted on: February 28, 1995

Title: Method and system to readout a photostimulable phosphor panel

Assigned to:

MINNESOTA MINING AND MANUFACTURING COMPANY U.S.A.

Inventors :

VIGLIENZONI ALFREDO

ALIBERTI ROBERTO