

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

DENTAL IMAGING TECHNOLOGIES CORPORATION

Petitioner

v.

3SHAPE A/S

Patent Owner

Case No. IPR2024-00849

Patent 10,695,151

DECLARATION OF MICHAEL CHERNOFF

3SHAPE EXHIBIT 2001
DITC v. 3Shape
IPR2024-00849

I. INTRODUCTION

1. My name is Michael Chernoff. I am the Managing Director of Strategic IP Solutions for Murgitroyd. I have been retained by Patent Owner to conduct a prior art search in connection with U.S. Patent No. 10,695,151.

2. I have written this declaration at the request of Patent Owner's counsel to provide the query I used and the results I obtained.

3. I reserve the right to supplement or amend my statements, in response to any additional evidence, testimony, discovery, argument, and/or other additional information that may be provided to me after the date of this declaration.

4. The prior art search was performed for a fixed fee of \$275. This compensation is not in any way tied to the content of this declaration, the substance of my statements, or the outcome of this proceeding. I have no other interests in this proceeding or with any of the parties.

5. All of the materials that I considered are discussed explicitly in this declaration.

II. QUALIFICATIONS

6. I have over thirty years of industry experience in intellectual property. I am currently the Managing Director of Strategic IP Solutions for Murgitroyd which is a full-service European IP firm with a global reach. Murgitroyd is a true one-stop firm for all IP services, including IP Research and Paralegal services.

With over 16,000 clients worldwide, 125+ UK and European patent, trademark, and design attorneys support and add value to the world's leading innovators and brands, providing end-to-end IP protection.

7. Prior to my current position, I was the Director of IP Strategy and Portfolio Management. I have been with Murgitroyd since 2016.

8. From February 2014 through June 2016, I was the Chief Intellectual Property Officer of MDB Capital Group which finances development stage companies that possess meaningful technology that has the potential to impact large commercial markets and benefit humanity. MDB maximizes the value of these technology companies by helping position them to be the dominant leader in their technology domain and connecting them with a base of high-quality investors. To support these efforts, MDB created PatentVest®, a fully-integrated analytic and reporting platform that measures, scores and ranks every patent and application in the USPTO database. MDB also created Pilum™, Intelligent Patent Search™ to assist law firms and technology companies by performing expert patent search and IP landscape reports.

9. From May 2002 through February 2014, I worked for Accenture. Initially, I was a Global Divisional Intellectual Property Counsel. I managed multiple global divisions and another patent attorney addressing: Communications, Media & Technology, Supply Chain Management, and Strategy. Previously

managed Financial Services, Government/Federal, Resources, and Products divisions. I also provided IP subject matter expertise and negotiation support to global internal and external transactional attorneys on numerous deals. I also led innovation disclosure "mining" sessions and worked directly with inventors and a network of global outside counsel to prosecute global patent portfolios. Finally, I chaired the IPO Software and Business Method Committee.

10. I was subsequently promoted to Director of Legal Services, Patent Operations. In this capacity, I managed the entire global patent operations group of 9 patent attorneys and 3 paralegals; and a network of US and non-US outside counsel firms worldwide. I was responsible for the global patent prosecution budget. I provided IP subject matter expertise and negotiation support to internal and external transactional attorneys. I also represented the company at the Association of Corporate Patent Counsel. Finally, I drove patent review, the innovation committee, and patent filing & prosecution strategy.

11. Before Accenture, I was Intellectual Property Counsel at WorldCom from June 2000 to May 2002. Here, I was a portfolio manager for key business units. I managed outside counsel patent preparation and prosecution. I also provided assistance and analysis to technology transactions and licensing departments in decisions related to intellectual property matters.

12. From December 1996 through June 2000, I was an Associate and Law

Clerk at Burns, Doane, Swecker & Mathis, LLP. Here, I prepared and prosecuted patent applications in electrical, computer, and communication fields including Internet, semiconductors, radio, telecommunications, mobility, computer hardware, and software. I also drafted legal opinions regarding patent infringement and validity and provided client counseling on various IP matters.

13. From June 1993 through December 1996, I was a Patent Examiner at the USPTO and examined patent applications related to Mobility/Wireless Communication and hybrid fiber/coax video/communications.

14. I have a B.S. in Electrical Engineering from Carnegie Mellon University and a J.D. from the George Mason University, Antonin Scalia Law School with a specialization in Intellectual Property Law.

15. My resume is submitted herewith as Attachment A.

III. SEARCH QUERY AND RESULTS

16. On May 22, 2024, I conducted a prior art search using the US-PGPUB and USPAT databases available from Patent Public Search tool provided by the USPTO at <https://ppubs.uspto.gov/pubwebapp/>.

17. The search query I used was as follows: ((dental.ti. OR tooth.ti.) AND shade.ti.) AND @pd>"19940521".

18. The search query also included automatic keyword "plurals."

19. There were a total of 119 prior art documents that were found through the use of this search query. Attachment B.

20. In signing this Declaration, I recognize that the Declaration will be filed as evidence in a case before the Patent Trial and Appeal Board of the United States Patent and Trademark Office. I also recognize that I may be subject to cross-examination in the case and that cross-examination will take place within the United States. If cross-examination is required of me, I will appear for cross-examination within the United States during the time allotted for cross-examination.

21. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Date: May 24, 2024



Michael Chernoff

ATTACHMENT A

Contact

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+1 919 864 2885

Michael Chernoff

Managing Director of Strategic IP Solutions, IAM Strategy 300 Global Leader

Potomac, Maryland, United States

Summary

Experienced IP Attorney and Strategist with over 25 years of intellectual property experience in public, corporate, and private practice. Honored to be named one of the top 300 Intellectual Property Strategists in the world by IAM for the past 9 years. Currently a Managing Director at one of the world's leading intellectual property attorney firms working with their Strategic IP Solutions Group. Previously, a Chief IP Officer at an investment bank and Director, Patent Operations of a Fortune Global 500 company.

Experience

Murgitroyd

8 years

Managing Director, Strategic IP Solutions

July 2020 - Present (3 years 11 months)

Manages the patent search and managed services groups for a full-service, European IP firm with a global reach. As a true one-stop firm for all IP services, Murgitroyd provides outstanding quality, hassle-free management, and significant cost savings through its global buying power. With over 16,000 clients worldwide, 135+ UK and European patent, trademark, and design attorneys support and add value to the world's leading innovators and brands, providing end-to-end IP protection.

Director, IP Strategy and Portfolio Management

June 2016 - July 2020 (4 years 2 months)

Potomac, Maryland

MDB Capital Group

Chief Intellectual Property Officer

February 2014 - June 2016 (2 years 5 months)

MDB Capital Group finances development stage companies that possess meaningful technology that has the potential to impact large commercial markets and benefit humanity. MDB maximizes the value of these technology

companies by helping position them to be the dominant leader in their technology domain and connecting them with a base of high-quality investors. To support these efforts, we created PatentVest®, a fully-integrated analytic and reporting platform that measures, scores and ranks every patent and application in the USPTO database. We also created Pilum™, Intelligent Patent Search™ to assist law firms and technology companies by performing expert patent search and IP landscape reports.

Accenture

11 years 10 months

Director of Legal Services, Patent Operations

April 2012 - February 2014 (1 year 11 months)

Managed entire global patent operations group of 9 patent attorneys and 3 paralegals; and network of US and non-US outside counsel firms worldwide. Responsible for global patent prosecution budget. Provided IP subject matter expertise and negotiation support to internal and external transactional attorneys. Represented company at Association of Corporate Patent Counsel. Drove patent review, innovation committee, and patent filing & prosecution strategy.

Global Division Intellectual Property Counsel

May 2002 - April 2012 (10 years)

Managed multiple global divisions and another patent attorney addressing: Communications, Media & Technology, Supply Chain Management, and Strategy. Previously managed Financial Services, Government/Federal, Resources, and Products divisions.

Provided IP subject matter expertise and negotiation support to global internal and external transactional attorneys on numerous deals. Led innovation disclosure "mining" sessions and worked directly with inventors and network of global outside counsel to prosecute global patent portfolio. Chaired the IPO Software and Business Method Committee.

WorldCom

Intellectual Property Counsel

June 2000 - May 2002 (2 years)

Portfolio manager for key business units. Managed outside counsel patent preparation and prosecution. Provided assistance and analysis to technology transactions and licensing departments in decisions related to intellectual property matters.

Burns, Doane, Swecker & Mathis, LLP

Associate/Law Clerk

December 1996 - June 2000 (3 years 7 months)

Preparation and prosecution of patent applications in electrical, computer, and communication fields including Internet, semiconductors, radio, telecommunications, mobility, computer hardware, and software. Drafted legal opinions regarding patent infringement and validity and provided client counseling on various IP matters.

USPTO

Patent Examiner

June 1993 - December 1996 (3 years 7 months)

Examined Mobility/Wireless Communication and hybrid fiber/coax video/communication patent applications.

Education

Carnegie Mellon University

B.S., Electrical Engineering

George Mason University School of Law

J.D., Intellectual Property Law

ATTACHMENT B

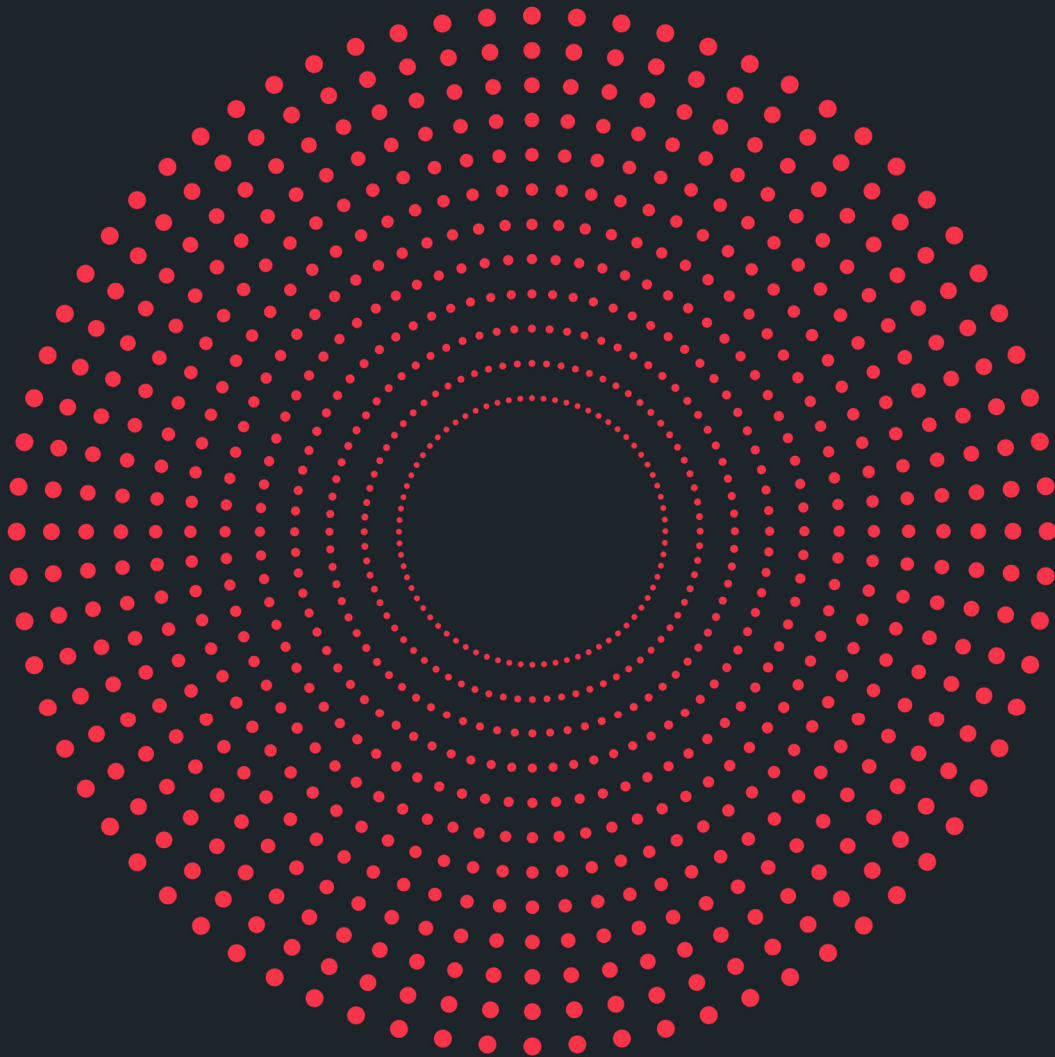
Prior Art Search

Reference Number:
G187419.00.27

Client:
Buchanan Ingersoll & Rooney PC

Matter Number:
0079124-000-449

Type of Search:
Prior Art





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Prior Art Search

Reference Number	G187419.00.27	Report Date	22MAY2024
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Search Methodology

This search was conducted using the US-PGPUB and USPAT databases available from Patent Public Search tool provided by the USPTO at <https://ppubs.uspto.gov/pubwebapp/>.

The search query used for this search was as follows:

((dental.ti. OR tooth.ti.) AND shade.ti.) AND @pd>"19940521"

The search query also included automatic keyword "plurals."



Search Results

No.	Pub. Number	Pub. Date	Title	Inventor	Assignee
1	US20240138967A1	2024-05-02	Dental Shade Matching Guide	Archibald; Jed	Archibald; Jed
2	US11617636B1	2023-04-04	Dental Shade Matching Background Tool	Labban; Nawaf Yousef I.	King Saud University
3	US20220110729A1	2022-04-14	Dental Shade Matching for Multiple Anatomical Regions	Glinec; Yannick et al.	Glinec; Yannick et al.
4	US20210215539A1	2021-07-15	Dental 3D Scanner with Angular-Based Shade Matching	Glinec; Yannick et al.	Glinec; Yannick et al.
5	US11624655B2	2023-04-11	Dental 3D Scanner with Angular-Based Shade Matching	Glinec; Yannick et al.	Dental Imaging Technologies Corporation
6	USD925042S	2021-07-13	Dental Composite Shade Guide	Thao; Fusu et al.	3M Innovative Properties Co.
7	US20210149222A1	2021-05-20	Dental Shade-Matching Device	Emirzian; Jay	Emirzian; Jay
8	US20210059798A1	2021-03-04	Shade Matching Dental Composite	Bringley; Joseph F.	Bringley; Joseph F.
9	US20210052162A1	2021-02-25	Method and System to Assess Teeth Shade in an Uncontrolled Environment	Jeanne; Vincent et al.	Jeanne; Vincent et al.
10	US11877827B2	2024-01-23	Method and System to Assess Teeth Shade in An Uncontrolled Environment	Jeanne; Vincent et al.	Koninklijke Philips N.V.
11	USD907241S	2021-01-05	Container for a Dental Composite Shade Guide Kit	Thao; Fusu et al.	3M Innovative Properties Co.
12	USD898223S	2020-10-06	Holder for Multiple Dental Composite Shade Guides	Thao; Fusu et al.	3M Innovative Properties Co.
13	US20190388205A1	2019-12-26	Color- or Shade-Sensing Teeth-Whitening Device	Whitney; Jason Lynn et al.	Whitney; Jason Lynn et al.
14	US20190284103A1	2019-09-19	Composition and Method for Generating a Shade Gradient in Zirconia Dental Restoration	Cornell; Donald F. et al.	Cornell; Donald F. et al.
15	US11939272B2	2024-03-26	Composition and Method for Generating a Shade Gradient in Zirconia Dental Restoration	Cornell; Donald F. et al.	Jensen Industries Inc.
16	US20190247168A1	2019-08-15	Dental Shaped Bodies with Continuous Shade Gradient	Oldenburger; Daniel et al.	Voco Gmbh
17	US11576759B2	2023-02-14	Dental Shaped Bodies with Continuous Shade Gradient	Oldenburger; Daniel et al.	Voco Gmbh
18	US10007987B1	2018-06-26	Enhanced Tooth Shade Matching System	Braunston; Dennis	Braunston; Dennis
19	US20180098918A1	2018-04-12	Shade-Coordinated, Veneering Porcelain System for Dental Prostheses	Banasiak; Slawomir et al.	Dentsply Sirona Inc.

Prior Art Search

20	US11426332B2	2022-08-30	Shade-Coordinated, Veneering Porcelain System for Dental Prostheses	Banasiak; Slawomir et al.	Dentsply Sirona Inc.
21	US20170165038A1	2017-06-15	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
22	US20180153664A1	2018-06-07	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
23	US10010387B2	2018-07-03	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
24	US10695151B2	2020-06-30	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
25	US20200352688A1	2020-11-12	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
26	US20220265403A1	2022-08-25	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
27	US20220265402A1	2022-08-25	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
28	US11701208B2	2023-07-18	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
29	US11707347B2	2023-07-25	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
30	US11723759B2	2023-08-15	Detecting Tooth Shade	Esbech; Bo et al.	3Shape A/S
31	US20170000591A1	2017-01-05	Method and Device for Manufacturing and Controlling the Conformity of a Dental Prosthesis from Parameters Obtained with a Shade Selecting Device	Guillot; Julien et al.	TCM
32	US20180161132A1	2018-06-14	Method and Device for Manufacturing and Controlling the Conformity of a Dental Prosthesis from Parameters Obtained with a Shade Selecting Device	Guillot; Julien et al.	TCM
33	US10792134B2	2020-10-06	Method and Device for Manufacturing and Controlling the Conformity of a Dental Prosthesis from Parameters Obtained with a Shade Selecting Device	Guillot; Julien et al.	TCM
34	US20160262860A1	2016-09-15	System of a Dental Blank and an Associated Shade Guide	Korten; Malte et al.	Korten; Malte et al.
35	US10709534B2	2020-07-14	System of a Dental Blank and an Associated Shade Guide	Korten; Malte et al.	3M Innovative Properties Co.
36	US20200315761A1	2020-10-08	System of a Dental Blank and an Associated Shade Guide	Korten; Malte et al.	Korten; Malte et al.
37	US11826215B2	2023-11-28	System of a Dental Blank and an Associated Shade Guide	Korten; Malte et al.	3m Innovative Properties Company
38	US20150173624A1	2015-06-25	Dental Shade Matching Method and Device	Friedman; Joshua	Friedman; Joshua
39	US9427162B2	2016-08-30	Dental Shade Matching Method and Device	Friedman; Joshua	Friedman; Joshua

Prior Art Search

40	US20140272762A1	2014-09-18	Apparatus And Method for Determining Tooth Shade	Weisz; Joseph Arnold	Bruce Henry Properties, LLC Dba Bonadent
41	US20140272763A1	2014-09-18	Shade Guide Kit for Matching Dental Composites to a Person's Teeth	Jessop; Neil T.	Ultradent Products, Inc.
42	US20130244197A1	2013-09-19	Dental Shade Matching Device	Tjioe; Soek Gam et al.	Tjioe; Soek Gam et al.
43	US8848991B2	2014-09-30	Dental Shade Matching Device	Tjioe; Soek Gam et al.	Tjioe; Soek Gam et al.
44	US20130034823A1	2013-02-07	Adaptive Illumination Method and Apparatus for Dental Shade Matching	Liang; Rongguang et al.	Liang; Rongguang et al.
45	USD667556S	2012-09-18	Shade Guide Holder for Dental Restoratives	Ikenaga; Yoshimi Et Al.	Kuraray Noritake Dental Inc.
46	US20120139142A1	2012-06-07	Veneered Dental Restoration with a Controlled Shade	Van Der Zel; Joseph Maria	Oratio B.V.
47	US8828287B2	2014-09-09	Veneered Dental Restoration with a Controlled Shade	Van Der Zel; Joseph Maria	Oratio B.V.
48	US20120056343A1	2012-03-08	Device For Molding a Dental Shade Guide and a Method of Molding the Same	Oguri; Makoto et al.	Oguri; Makoto et al.
49	US8708684B2	2014-04-29	Device for Molding a Dental Shade Guide	Oguri; Makoto et al.	Tokuyama Dental Corp.
50	US20120014572A1	2012-01-19	Dental Shade Mapping	Wong; Victor C. et al.	Wong; Victor C. et al.
51	US8208704B2	2012-06-26	Dental Shade Mapping	Wong; Victor C. et al.	Carestream Health, Inc.
52	US20120231420A1	2012-09-13	Dental Shade Mapping	Wong; Victor C. et al.	Carestream Health, Inc.
53	US20120014571A1	2012-01-19	Dental Shade Mapping	Wong; Victor C. et al.	Wong; Victor C. et al.
54	US8571281B2	2013-10-29	Dental Shade Mapping	Wong; Victor C. et al.	Carestream Health, Inc.
55	US20140030670A1	2014-01-30	Dental Shade Mapping	Wong; Victor C. et al.	Carestream Health, Inc.
56	US8768025B2	2014-07-01	Dental Shade Mapping	Wong; Victor C. et al.	Carestream Health, Inc.
57	US20110067190A1	2011-03-24	Tooth Shade Indicator Apparatus and Method for Evaluating Tooth Shade	Brattesani; Steven J.	Brattesani; Steven J.
58	US20100311005A1	2010-12-09	Apparatus for Dental Surface Shape and Shade Imaging	Liang; Rongguang	Carestream Health, Inc.
59	US8570530B2	2013-10-29	Apparatus for Dental Surface Shape and Shade Imaging	Liang; Rongguang	Carestream Health, Inc.
60	US20100201986A1	2010-08-12	Equipment and Method for Measuring Dental Shade	Inglese; Jean-Marc et al.	Inglese; Jean-Marc et al.
61	US8400635B2	2013-03-19	Equipment and Method for Measuring Dental Shade	Inglese; Jean-Marc et al.	Carestream Health, Inc.

Prior Art Search

62	US20130164701A1	2013-06-27	Equipment and Method for Measuring Dental Shade	Inglese; Jean-Marc et al.	Inglese; Jean-Marc et al.
63	US20100173257A1	2010-07-08	Shade Guide, Method for Discriminating Tooth Colors, Artificial Tooth Manufacturing Method	Yamamoto; Makoto et al.	Shofu Inc.
64	US9173727B2	2015-11-03	Shade Guide, Method for Discriminating Tooth Colors, Artificial Tooth Manufacturing Method	Yamamoto; Makoto et al.	Shofu Inc.
65	US20090233253A1	2009-09-17	Dental Shade Guide	Mrazek; William R.	Mrazek; William R.
66	US20090133260A1	2009-05-28	3D Dental Shade Matching and Apparatus	Durbin; Duane Milford et al.	LOS Technologies, Inc
67	US20090068613A1	2009-03-12	Portable Color Corrected Over Head Dental Light to Match Shades of Teeth with True Chromatic Efficiency and to Accelerate Tooth Whitening	Wang; Daniel et al.	Wang; Daniel et al.
68	US20080081318A1	2008-04-03	Prelayered Dental Appliances, Kits, and Methods for Providing Consistent Shade Matching	Fischer; Dan E.	Ultradent Products, Inc.
69	US7097450B2	2006-08-29	Methods for Determining Color or Shade Information of a Dental Object Using an Image Generation Device without Operator Identification of The Position of a Reference Implement in The Field of View of The Image Generation Device	Jung; Wayne D. et al.	Jjl Technologies LLC
70	US7682150B2	2010-03-23	Method for Preparing a Dental Prosthesis Based on Electronically Determined Image and Color/Shade Data and Based on Telephone Communication	Jung; Wayne D. et al.	Jjl Technologies LLC
71	US20060040230A1	2006-02-23	Apparatus for Dental Shade Measurement	Blanding; Douglass L. et al.	Blanding; Douglass L. et al.
72	US7522322B2	2009-04-21	Apparatus for Dental Shade Measurement	Blanding; Douglass L. et al.	Carestream Health, Inc.
73	US20050287489A1	2005-12-29	Dental Shade Guide	Odanaka; Yasuhiro et al.	GC Corp.
74	US7326052B2	2008-02-05	Dental Shade Guide Having Tag with Mark Indication Part	Odanaka; Yasuhiro et al.	GC Corp.

Prior Art Search

75	US20050260535A1	2005-11-24	Dental Instrument with Shade Guide	Costaras; Basilio Constantine et al.	Costaras; Basilio Constantine et al.
76	US20050260536A1	2005-11-24	Optically Amplified Dental Shade Guide	Costaras; Basilio Constantine et al.	Costaras; Basilio Constantine et al.
77	US20050202362A1	2005-09-15	Mirror Shade Guide for Dental Whitening	Ostler; Calvin D. et al.	Ostler; Calvin D. et al.
78	US20050186527A1	2005-08-25	Device for Determining Shades of Dental Restorations	Pameijer; Cornelis H. et al.	Pameijer; Cornelis H. et al.
79	US7128573B2	2006-10-31	Device for Determining Shades of Dental Restorations	Pameijer; Cornelis H. et al.	Pentron Clinical Technologies, LLC
80	US20050074718A1	2005-04-07	Tooth Shade Scan System and Method	Pye; Graham et al.	Pye; Graham et al.
81	US7341450B2	2008-03-11	Tooth Shade Scan System and Method	Pye; Graham et al.	Shade Analyzing Technologies, Inc., Ivoclar Vivadent Ag
82	US6848904B1	2005-02-01	Shade Guide for Evaluating the Optical Appearance of a Dental Restoration	Vanini; Lorenzo et al.	Micerium Spa, Gdf Gesellschaft Fur Dentale Forschung Und Innovationen Gmbh
83	US20040248057A1	2004-12-09	Enhanced Tooth Shade Guide	Culp; Lee	Culp; Lee
84	US7118374B2	2006-10-10	Enhanced Tooth Shade Guide	Culp; Lee	Ivoclar Vivadent Ag
85	US20020081547A1	2002-06-27	Shade Determination Apparatus and Method for Specifying and Determining Colors for Teeth and Dental Restorations	Kerschbaumer, Harald et al.	Kerschbaumer, Harald et al.
86	US6743014B2	2004-06-01	Shade Determination Apparatus and Method for Specifying and Determining Colors for Teeth and Dental Restorations	Kerschbaumer, Harald et al.	Ivoclar Vivadent Ag
87	US6354835B1	2002-03-12	Tooth Shade Guide	Maini; Anna	Unilever Home & Personal Care USA, Division Of Conopco, Inc.
88	US6331113B1	2001-12-18	Automated Tooth Shade Analysis and Matching System	Morris; Alan C. et al.	Dentech, L.L.C.
89	US20020064750A1	2002-05-30	Automated Tooth Shade Analysis and Matching System	Morris; Alan C. et al.	Morris; Alan C. et al.

Prior Art Search

90	US6793489B2	2004-09-21	Automated Tooth Shade Analysis and Matching System	Morris; Alan C. et al.	Dentech, L.L.C.
91	US20050037314A1	2005-02-17	Computer-Readable Medium for Automated Tooth Shade Analysis and Matching	Morris; Alan C. et al.	Morris; Alan C. et al.
92	US7563095B2	2009-07-21	Computer-Readable Medium for Automated Tooth Shade Analysis and Matching	Morris; Alan C. et al.	Dentech, L.L.C.
93	US6328563B1	2001-12-11	Dental Shade System	Hobo; Sumiya	Gc Corporation, Sumiya Hobo Research Associate
94	US6328567B1	2001-12-11	Method, Apparatus and System for Automated Tooth Shade Analysis and Matching	Morris; Alan C. et al.	Dentech, L.L.C.
95	US20010049082A1	2001-12-06	Shade Determination Apparatus and Method for Specifying and Determining Colors for Teeth and Dental Restorations	Kerschbaumer, Harald et al.	Ivoclar Vivadent Ag
96	US6499998B2	2002-12-31	Shade Determination Apparatus and Method for Specifying and Determining Colors for Teeth and Dental Restorations	Kerschbaumer, Harald et al.	Ivoclar Vivadent Ag
97	US6315554B1	2001-11-13	Dental Restorative Shade Guide and Method of Selecting a Dental Restorative Shade	Coste; Andrew J. et al.	Dentsply Research & Development Corp.
98	US6210159B1	2001-04-03	System and Methods for Analyzing Tooth Shades	Lehmann; Maryann et al..	Shade Analyzing Technologies, Inc.
99	US6206691B1	2001-03-27	System and Methods for Analyzing Tooth Shades	Lehmann; Maryann et al..	Shade Analyzing Technologies, Inc.
100	US6190170B1	2001-02-20	Automated Tooth Shade Analysis and Matching System	Morris; Alan C. et al.	Dentech, L.L.C.
101	US5989022A	1999-11-23	Shade Matching Device for Artificial Teeth and Crown Restoration	Yamamoto; Makoto et al.	Kabushiki Kaisha Shofu
102	US5766006A	1998-06-16	Tooth Shade Analyzer System and Methods	Murljagic; Maryann Lehmann	Murljagic; Maryann Lehmann
103	US5961324A	1999-10-05	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.

Prior Art Search

104	US6132210A	2000-10-17	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
105	US6305933B1	2001-10-23	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
106	US20020012895A1	2002-01-31	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
107	US6358047B2	2002-03-19	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
108	US20020064751A1	2002-05-30	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
109	US6561800B2	2003-05-13	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
110	US20030190578A1	2003-10-09	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
111	US6832913B2	2004-12-21	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
112	US20050118549A1	2005-06-02	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
113	US7393209B2	2008-07-01	Tooth Shade Analyzer System and Methods	Lehmann; Maryann	Shade Analyzing Technologies, Inc.
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