

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,
Petitioner,

v.

IMMERVISION, INC.,
Patent Owner.

Case IPR2023-00471
Patent 6,844,990

PETITIONER'S UPDATED EXHIBIT LIST

PETITIONER'S EXHIBIT LIST

- APPLE-1001 U.S. Patent No. 6,844,990 to Artonne et al. (“the ’990 patent”)
- APPLE-1002 Prosecution History of the ’990 Patent (“Original Prosecution History”)
- APPLE-1003 Declaration of Dr. David Kessler, Ph.D.
- APPLE-1004 Curriculum Vitae of Dr. David Kessler, Ph.D.
- APPLE-1005 Service of complaint in *ImmerVision, Inc. v. Apple, Inc.*, D.Del. 1:21-cv-01733-MN-CJB (January 18, 2022)
- APPLE-1006 U.S. Patent No. 5,686,957 to Baker (“Baker”)
- APPLE-1007 “Fish Eye Lens” by K. Miyamoto (Feb. 19, 1964) (“Miyamoto”)
- APPLE-1008 Service of complaint in *ImmerVision, Inc. v. Apple, Inc.*, D.Del. 1:21-cv-01484-MN-CJB (January 18, 2022)
- APPLE-1009 U.S. Patent No. 3,953,111 to Fisher et al. (“Fisher”)
- APPLE-1010 U.S. Patent No. 6,128,145 to Nagaoka (“Nagaoka”)
- APPLE-1011 Reexamination File History for the ’990 Patent (“Reexam History”)
- APPLE-1012 EP 1028389 A2 to Shiota et al. (“Shiota”)
- APPLE-1013 Rebiai et al., “Image Distortion from Zoom Lenses: Modeling and Digital Correction,” 1992 IBC International Broadcasting Convention (July 1992) (“Rebiai”)
- APPLE-1014 JP 2000-242773 to Matsui et al. (“Matsui”) (original and translated documents also provided in APPLE-1011, 43-51, 180-198, as provided by Patent Owner during reexamination)

- APPLE-1015 U.S. Patent No. 5,861,999 to Tada (“Tada”)
- APPLE-1016 Zeljko Andreic, “Simple 180° field-of-view F-theta all-sky camera,” SPIE Proc. 1500 (Oct. 1, 1991) (“Andreic”)
- APPLE-1017 Abed Kassim et al., “Optical Performance of axial gradient and aspheric surface lenses: study and analysis,” SPIE’s 1994 International Symposium on Optics, Imaging, and Instrumentation, Vol. 2263 (Sept. 30, 1994) (“Kassim”)
- APPLE-1018 Susan Houde-Walter, “Recent Progress In Gradient-Index Optics,” SPIE Proc. 0935 (Apr. 8, 1988) (“Houde-Walter”)
- APPLE-1019 Petition for Inter Partes Review of U.S. Patent No. 6,844,990, filed by Panasonic System Networks Co., Ltd. (IPR2014-01438)
- APPLE-1020 Paul K. Manhart et al., “Fundamentals of macro axial gradient index optical design and engineering,” SPIE Opt. Eng. 36(6), 1607-1621 (June 1997) (“Manhart”)
- APPLE-1021 Vidal, “Interim Procedure for Discretionary Denials in AIA Post Grant Proceedings with Parallel District Court Litigation” (USPTO, June 2021)
- APPLE-1022 Scheduling Order entered in *ImmerVision, Inc. v. Apple, Inc.*, D.Del. 1:21-cv-01733-MN-CJB and *ImmerVision, Inc. v. Apple, Inc.*, D.Del. 1:21-cv-01484-MN-CJB (entered on June 21, 2022)
- APPLE-1023 Second Declaration of Dr. David Kessler, Ph.D.
- APPLE-1024 U.S. Patent No. 4,364,643 to Momiyama (“Momiyama”)
- APPLE-1025 Deposition Testimony of Mr. James F. Munro
- APPLE-1026 Excerpts from “Modern Lens Design,” textbook authored by Warren J. Smith (1992 edition)

- APPLE-1027 J. Weng, "Motion and Structure from Line Correspondences: Closed-Form Solution, Uniqueness, and Optimization," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 14, No. 3 (Mar. 1992)
- APPLE-1028 Petitioner's Demonstratives

Respectfully submitted,

Date: April 8, 2024

/Karan Jhurani/

W. Karl Renner, Reg. No. 41,265

David Holt, Reg. No. 65,161

Karan Jhurani, Reg. No. 71,777

Fish & Richardson P.C.

60 South Sixth Street

Minneapolis, MN 55402

T: 202-783-5070

F: 877-769-7945

Attorneys for Petitioner

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.