UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,

Petitioner,

v.

COREPHOTONICS LTD.,

Patent Owner

IPR2020-00897 U.S. Patent No. 10,324,277

PETITION FOR *INTER PARTES* REVIEW UNDER 35 U.S.C. §312 AND 37 C.F.R. §42.104



TABLE OF CONTENTS

I.	INTR	TRODUCTION		
II.	MANDATORY NOTICES			
	A.	Real Party-in-Interest		
	B.	Related Matters		
	C.	Lead and Back-up Counsel and Service Information		
III.	GRO	UNDS FOR STANDING		
IV.	NOT	NOTE REGARDING PAGE CITATIONS AND EMPHASIS		
V.	OVE	RVIEW OF THE '277 PATENT		
	A.	Summary of the '277 Patent		
	B.	Prosecution History		
VI.	LEVI	EL OF ORDINARY SKILL IN THE ART		
VII.	CLA	IM CONSTRUCTION		
VIII.	IDENTIFICATION OF HOW THE CLAIMS ARE UNPATENTABLE9			
	A.	Challenged Claims		
	B.	Statutory Grounds for Challenge.		
	C.	Claims 1-3 and 5-8 are obvious under 35 U.S.C. § 103 over Ogino Example 4 in view of Bareau.		
		1. Summary of Ogino (Example 4)		
		2. Summary of Bareau		
		3. Reasons to combine Ogino Example 4 and Bareau 14		
		4. Claim 1		



	5.	Claim 2	39	
	6.	Claim 3	41	
	7.	Claim 5	43	
	8.	Claim 6	47	
	9.	Claim 7	47	
	10.	Claim 8	49	
D.		Claims 1-24 are obvious under 35 U.S.C. § 103 over Ogino Example 5 in view of Bareau. 5		
	1.	Summary of Ogino (Example 5)	51	
	2.	Reasons to combine Ogino Example 5 and Bareau	53	
	3.	Claim 1	59	
	4.	Claim 2	76	
	5.	Claim 3	78	
	6.	Claim 4	79	
	7.	Claim 5	80	
	8.	Claim 6	84	
	9.	Claim 7	85	
	10.	Claim 8	86	
	11.	Claim 9	88	
	12.	Claim 10	90	
	13.	Claim 11	91	
	14.	Claim 12	95	



	15.	Claim 139) 5
	16.	Claim 149) 5
	17.	Claim 15) 6
	18.	Claim 16) 6
	19.	Claim 17) 7
	20.	Claim 189) 7
	21.	Claim 19)()
	22.	Claim 20)()
	23.	Claim 21)1
	24.	Claim 22)1
	25.	Claim 23)1
	26.	Claim 24)1
IX.	CONCLUS	ION10)2
CER	TIFICATE C	OF WORD COUNT10)3
CFR	TIFICATE (OF SERVICE 10	14

PETITIONER'S EXHIBIT LIST

May 4, 2020

APPL-1001	U.S. Patent No. 10,324,277
APPL-1002	Prosecution History of U.S. Patent No. 10,324,277
APPL-1003	Declaration of José Sasián, Ph.D, under 37 C.F.R. § 1.68
APPL-1004	Curriculum Vitae of José Sasián
APPL-1005	U.S. Patent No. 9,128,267 to Ogino et al. ("Ogino")
APPL-1006	Warren J. Smith, MODERN LENS DESIGN (1992) ("Smith")
APPL-1007	William S. Beich et al., "Polymer Optics: A manufacturer's perspective on the factors that contribute to successful programs," SPIE Proceedings Volume 7788, Polymer Optics Design, Fabrication, and Materials (August 12, 2010), https://doi.org/10.1117/12.861364 ("Beich")
APPL-1008	U.S. Patent No. 7,777,972 to Chen et al. ("Chen")
APPL-1009	Reserved
APPL-1010	Max Born et al., PRINCIPLES OF OPTICS, 6 th Ed. (1980) ("Born")
APPL-1011	Prosecution history of U.S. Patent No. 9,128,267 to Ogino
APPL-1012	Jane Bareau et al., "The optics of miniature digital camera modules," SPIE Proceedings Volume 6342, <i>International Optical Design Conference 2006</i> ; 63421F (2006) https://doi.org/10.1117/12.692291 ("Bareau")
APPL-1013	Rudolf Kingslake, Optics in Photography (1992) ("Kingslake")



DOCKET

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.

