UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD YITA LLC, Petitioner v. MACNEIL IP LLC, Patent Owner Case IPR2020-01139 U.S. Patent No. 8,382,186

DECLARATION OF PAUL E. KOCH, PH.D. IN SUPPORT OF PETITIONER'S REPLY TO PATENT OWNER'S RESPONSE

Mail Stop "PATENT BOARD" Patent Trial and Appeal Board U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450



TABLE OF CONTENTS

I.	INTRODUCTION 1						
II.	LEVEL OF ORDINARY SKILL IN THE ART						
III.	UNDERSTANDING OF THE LAW4						
IV.	OVE	RVIEV	W OF THE '186 PATENT AND THE '834 PATENT 4				
V.	MAT	MATERIALS CONSIDERED					
VI.	Claim Construction						
VII.	The Rabbe-Yung-Gruenwald combination discloses every element of the claims.						
	A.		ts				
		1.	A POSA would have understood both Rabbe translations as disclosing the conforming limitations				
			a. MacNeil's declarants do not account for Rabbe's teachings as a whole, which disclose the conforming limitations22				
			b. MacNeil's translation of Rabbe includes these same teachings that disclose the conforming limitations				
			c. Rabbe's conformance is not limited to a top perimeter of the raised edges				
			d. The two Rabbe translations, considered alone or together, confirm my original opinion about Rabbe's disclosure37				
			e. The background art confirms that a POSA would have understood Rabbe as I explained in my original declarations43				
		2.	MacNeil's comparisons of Rabbe's illustrations to the Lada Niva are irrelevant				
	B.	The Rabbe-Yung-Gruenwald combination discloses a thermoform floor tray with integrally formed panels.					
		1.	Rabbe's floor tray is a single, integral material conducive to thermoforming and closely conforming to a vehicle footwell. 52				
			a. Rabbe does not disclose a floor tray assembled by multiple pieces.				
			b. The purpose of Rabbe's floor tray would have suggested using a single, integral material54				



IPR2020-01139 & IPR2020-01142 Declaration of Paul E. Koch, Ph.D.

			c. The properties of Rabbe's floor tray would have suggested using a thermoplastic material conducive to thermoforming				
			d. Rabbe is not limited to thermosets	.60			
			e. Rabbe's floor tray does not preclude thermoforming	.65			
		2.	Yung is not limited to compression molding	.68			
			a. Foam sheets were regularly thermoformed without losing their waterproof characteristic				
			b. Laminate products were regularly thermoformed	.75			
			c. Yung's embossing suggests thermoforming	.78			
			d. Yung's materials would have provided the appropriate amount of elasticity and abrasion resistance	.80			
			e. Yang's mention of compression molding confirms that Yung is not intended to be limited to compression molding	.81			
		3.	Gruenwald's thermoforming techniques were applicable to Rabbe's floor tray	.82			
VIII.	A POSA would have been motivated to combine Rabbe, Yung, and Gruenwald to provide a thermoformed floor tray with integrally formed panels						
	A.	A PO	SA would have multiple rationales for combining the teaching bbe, Yung, and Gruenwald	ţS.			
		1.	Combining Yung's thermoplastic materials with Rabbe would yield a waterproof floor tray with sufficient rigidity and pliability				
		2.	Using Yung's thermoplastic materials with Gruenwald's thermoforming techniques would be the most cost-effective way of manufacturing Rabbe's floor tray	.87			
		3.	Combining Gruenwald's thermoforming techniques with Rab and Yung would improve the structural integrity of the floor tray				
	B.	Grue	Neil's arguments against combining Rabbe with Yung and nwald are premised on inaccurate technical assertions and	.91			
		1	Rabbe is not limited to thermosets	.91 92			



IPR2020-01139 & IPR2020-01142 Declaration of Paul E. Koch, Ph.D.

		2.	The thermoplastic materials in Yung's floor mat are well suited for Rabbe's floor tray and thermoforming93				
		3.	The foam particles in Yung's floor mat do not teach away from Rabbe's custom-fit design95				
		4.	Gruenwald's thermoforming techniques for heavy-gauge products would impart sufficient flexibility for Rabbe's floor tray				
		5.	The design of Rabbe's floor tray does not teach away from using Gruenwald's thermoforming techniques99				
IX.		A POSA would have reasonably expected success in achieving the claimed invention					
X.	MacNeil's evidence of secondary considerations lacks a nexus to the claimed invention and does not overcome the obviousness position I set forth in my original declaration						
	A.		e is not a nexus between the claimed invention and MacNeil's acts105				
	B. MacNeil did not adequately define a relevant market to s commercial success						
	C.		Neil's industry praise evidence does not show nonobviousness.				
	D.	MacN	Neil's claimed invention did not solve a long felt need109				
	E.	Macl	Neil's licensing evidence does not show nonobviousness 109				
XI.	CON	CLUS	ION110				



I, Paul E. Koch, Ph.D., declare as follows:

I. INTRODUCTION

- 1. I have been retained as an expert in this proceeding by counsel for Yita LLC ("Yita"). I previously submitted declarations (EX1003 in each proceeding) in support of the petitions for *inter partes* review of U.S. Patent No. 8,382,186 ("the '186 patent") in IPR2020-01139 and of U.S. Patent No. 8,833,834 ("the '834 patent") in IPR2020-01142. This declaration is in support of Petitioner's Replies to Patent Owner's Responses in the same proceedings, IPR2020-01139 and IPR2020-01142.
- 2. My background and qualifications were provided in paragraphs 4-15 of my original declarations, Exhibit 1003, and my CV was submitted as Exhibit 1032 in each proceeding. My statements in my original declaration regarding my review of the '186 patent, the '834 patent, and related materials remain unchanged. In reaching my opinions here, I reviewed the Patent Owner Responses, the Petitions, my original declarations, and the materials reviewed as part of my original declarations.
 - 3. I have also reviewed all other materials cited herein.
- 4. I am being compensated for my work on this case at my standard rate of \$375 per hour, with reimbursement for actual expenses. My compensation is not dependent upon my opinions, my testimony, or the outcome of this case.



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.

