### UNITED STATES PATENT AND TRADEMARK OFFICE

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### BEFORE THE PATENT TRIAL AND APPEAL BOARD

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## ECOBEE TECHNOLOGIES, ULC, Petitioner

v.

ECOFACTOR, INC., Patent Owner

IPR2022-00969 Patent No. 8,596,550

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## PATENT OWNER'S SUR-REPLY



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## **Table of Authorities**

### Cases

BlephEx, LLC v. Myco Indus., Inc., 24 F.4th 1391 (Fed. Cir. 2022)	3
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Stone <i>Basket Innovations, LLC v. Cook Med. LLC</i> , 892 F.3d 1175 (Fed. Cir. 2018)	3



## **Exhibits**

Exhibit No.	Description
2001	Ecobee, Inc. v. EcoFactor, Inc., 1-21-cv-00323 (D. Del. March
2001	· ·
	2, 2012), Dkt. 20 (Ecobee's Motion to Dismiss)
2002	Ecobee, Inc. v. EcoFactor, Inc., 1-21-cv-00323 (D. Del. March
	2, 2012), Dkt. 1 (Complaint)
2003	Ecobee, Inc. v. EcoFactor, Inc., 1-21-cv-00323 (D. Del. March
	2, 2012), Dkt. 18 (ecobee Opposition to Motion to Stay)
2004	Ecobee's Disclosure of Initial Invalidity Contentions, March 17,
	2022 in Ecobee, Inc. v. EcoFactor, Inc., 1-21-cv-00323
2005	Ecobee, Inc. v. EcoFactor, Inc., 1-21-cv-00323 (D. Del. March
	2, 2012), Dkt. 26 (Order Denying EcoFactor's Motion to Stay)
2006	Expert Declaration of John A. Palmer
2007	Curriculum Vitae of John A. Palmer
2008	February 2, 2023, Deposition Transcripts of Dr. David
	Auslander, IPR2022-00983.
2009	Smart Thermostat Systems, Smart HVAC Systems, Smart HVAC
	Control Systems, and Components Thereof, U.S. Int'l Trade
	Comm'n, 337-TA-1258 1258 Investigation, Order No. 18 -
	Construing the Terms of the Asserted Claims, at 1
2010	U.S. Pat. No. 7,130,719 ("Ehlers '719")
2011	June 7, 2023, Deposition Transcripts of Dr. David Auslander,
	IPR2022-00969 and IPR2022-00983.



### I. Introduction

Petitioner continues to fundamentally misunderstand Ehlers and its teachings regarding thermal gain. Petitioner and its expert continue to ignore this, and instead use improper hindsight to create the claims of the '550 patent out of the prior art.

Petitioner further fails to demonstrate that the combination of Ehlers '330 and Wruck teaches calculating automated setpoints. Ehlers '330 shows ramping and recovery time, but not calculating automated setpoints. With these automated setpoints, there can be no comparison with anything else. Instead, Petitioner identifies an unexplained term cited just once in Wruck and the creates an unsupported story to argue that it meets this comparison. Finally, Petitioner does not contest that there is no motivation to combine Ehlers '330 and Wruck.

With respect to Ground 2, Petitioner continues to provide nothing beyond conclusory statements to explain a person of ordinary skill in the art ("POSITA") would combine Ols and Boait. After recognizing that the equation relied upon in Boait does not address changes in outside temperature, Petitioner has to provide, for the first time, an argument that changes in temperature from one day until the next meet the claim limitations. This argument should be rejected as both new and incorrect.

For these reasons, Petitioner has failed to demonstrate that the claims of the '550 patent are invalid.



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