# UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ECOBEE TECHNOLOGIES, ULC, Petitioner

v.

ECOFACTOR, INC., Patent Owner

IPR2022-00983 Patent No. 8,596,550

### DECLARATION OF JOHN A. PALMER, Ph.D. PURSUANT TO 37 C.F.R. § 1.68

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	3. Claim element [1d] "calculating with one or more compute processors, scheduled programming of the thermostatic controller for one or more times based on the predicted rate change, the scheduled programming comprising at least a f automated setpoint at a first time;"		
	4.	Claim element [1e] - "generating with one or more computer processors, a difference value based on comparing an actual setpoint at the first time for said thermostatic controller to the first automated setpoint for said thermostatic controller; detecting a manual change to the first automated setpoint by determining whether said actual setpoint and said first automated setpoint are the same or different based on said difference value; and"	
	5.	Dependent Claims 2-8	
	6.	Independent Claim 9 52	
	7.	Claim element [9c]	
	8.	Claim element [9d]53	
	9.	Claim element [9e]	
	10.	Dependent Claims 10-16 54	
GROUND 2:			
A.		e Combination of Ehlers '330, Wruck, and Harter Does Not ender Claims 9-16 Unpatentable	
	1.	Independent Claim 9 54	
	2.	Claim element [9c]55	
	3.	Claim element [9d]55	

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# <u>Exhibits</u>

Exhibit No.	Description
2001	Ecobee, Inc. v. EcoFactor, Inc., 1-21-cv-00323 (D. Del. March
	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 - Con-
	struing the Terms of the Asserted Claims, at 1
2010	U.S. Pat. No. 7,130,719 ("Ehlers '719")

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