

# *Google LLC, et al. v. EcoFac*

IPR2021-00054

U.S. Pat. No. 10,534,382

Petitioner Google's Oral Hearing Demonstration

February 8, 2022

Claim 1 with limitations labeled – for the Board’s re

- 1[a] 1. A system for controlling an HVAC system at a user’s building, the system comprising:
- [1b] a memory; and
- [1c] one or more processors with circuitry and code designed to execute instructions;
- [1d] the one or more processors with circuitry and code designed to execute instructions to receive a first data from at least one sensor, wherein the first data from the at least one sensor includes a measurement of at least one characteristic of the building;
- [1e] the one or more processors with circuitry and code designed to execute instructions to receive a second data from a network connection, wherein the second data from the network connection is collected from a source external to the building, wherein the second data from the network connection is received via the Internet;
- [1f] the one or more processors with circuitry and code designed to execute instructions to receive a first temperature setpoint for the building corresponding to a desired temperature setting when the building is occupied, and a second temperature setpoint for the building corresponding to a desired temperature setting when the building is unoccupied;
- [1g] the one or more processors with circuitry and code designed to execute instructions to receive commands through the Internet by way of a remote interface on a mobile, wireless device running software application code;
- [1h] wherein the user to adjust the HVAC system;
- [1i] the one or more processors with circuitry and code designed to execute instructions to receive data through a network connection, wherein the data includes information about the building, wherein the information is generated based on the building’s operation;
- [1j] wherein the data is received from a mobile, wireless device running software application code;
- [1k] the one or more processors with circuitry and code designed to execute instructions to receive data from the building’s operation, wherein the data includes information that determines the building’s operation, wherein the information provides heating and cooling setpoints for the building’s operation;
- [1l] wherein the one or more processors with circuitry and code designed to execute instructions to receive data from the building’s operation, wherein the data includes information that determines the building’s operation, wherein the information provides heating and cooling setpoints for the building’s operation;
- [1m] the first processor with circuitry and code designed to execute instructions to receive data from the building’s operation, wherein the data includes information that determines the building’s operation, wherein the information provides heating and cooling setpoints for the building’s operation;

## Three Main Arguments from the Patent Ow

1. Claim construction: “one or more proc
2. Claim limitations [1e] and [1m] (“secon
3. Claim 12

## Three Main Arguments from the Patent Ow

- 1. Claim construction: “one or more proo**
2. Claim limitations [1e] and [1m] (“secon
3. Claim 12

## EcoFactor's Patent Owner Response

terms is necessary. Ex. 2013, ¶ 39. Because each one of those elements is necessary to the original “one or more processors,” a POSITA would understand that “one or more processors” must be able to perform the functions of all the claim elements [1d], [1e], [1f], [1g], [1i], [1k], and [1l]. That is, there needs to be a single processor that meets all of the limitations of claim elements [1g], [1i], [1k], and [1l]. Put another way, if a processor only met the limitations of claim elements [1d] and [1f], it would not meet the full limitations of the claim. Ex. 2013, ¶ 39.

Patent Owner Response (“POR”), p. 13 (highlighting added)

# 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.