

REMARKS

Upon entry of these amendments, claims 21-45 are pending in the present application. Claims 21 and 33 are the independent claims. Claims 1-20 were previously canceled, without prejudice or disclaimer. In this response, claims 21-28 and 33-40 have been amended. Claims 41-45 are new. Support for the claim amendments can be found throughout the application as originally filed. No new matter is added.

Amendment and cancellation of certain claims is not to be construed as a dedication to the public of any of the subject matter of the claims as previously presented.

Claim Rejections – 35 U.S.C. §§ 102 and 103

Claims 21, 28-33 and 40 are rejected under 35 U.S.C. § 102(a)(2) as being anticipated by U.S. Patent Publication No. 2022/0344941 to Griffith et al. (“*Griffith*”). Claims 22-27 and 34-39 are rejected under 35 U.S.C. § 103 as being unpatentable over *Griffith* in view of U.S. Patent Publication No. 2015/0005900 to Steele et al. (“*Steele*”). Each of these rejections are traversed for the reasons below.

Independent Claim 21 is Patentable Over Griffith

Applicant submits that amended claim 21 is patentable over *Griffith* for at least the following two reasons. Each is discussed below.

First, *Griffith* fails to disclose or suggest the following recitation of amended claim 21:

a sensor coupled to the heat transfer element [of the appliance] and not coupled to a battery module to monitor a temperature value of the heat transfer element at a specific time point.

At most, *Griffith* appears to disclose a battery system that can (1) determine battery temperature for the purpose of thermal management of the battery system, “the battery control system 440 can determine various aspects, characteristics, or states of the battery 305 such as charge state, battery charge capacity, battery health, battery temperature, or the like” (paragraph [0070] of *Griffith*), and

(2) determine environmental conditions of a building, “a battery system 300 can comprise various suitable sensors to determine such aspects of the battery 305 or aspect of other elements of a building system 100 which can include environmental conditions such as temperature, humidity, or the like internal or external to a building 105” (paragraph [0070] of *Griffith*). The battery system of *Griffith*, however, is not configured to monitor **a temperature value of a heat transfer element of an appliance**. Moreover, unlike amended claim 21, the battery system of *Griffith* does not include a **sensor coupled to a heat transfer element of an appliance and not coupled to a battery module to monitor a temperature value of the heat transfer element**. Consequently, *Griffith* fails to disclose or suggest amended claim 21. *Steele* fails to remedy the deficiencies of *Griffith*. Unlike amended claim 21, the sensor of *Steele* is a component of outlet 300 and is used to “determine that a person is in the area of the appliance” (paragraph [0045] of *Steele*).

Second, *Griffith* fails to disclose or suggest the following recitation of amended claim 21:

a control unit... configured to determine whether to adjust the power provided to the heat transfer element from the battery module based on the temperature value of the heat transfer element.

At most, *Griffith* describes a battery system that monitors a power output configuration based on power data such as (1) “power use data”, “... such data can include time and duration of one or more power use sessions, the identity of a load source associated with such as power use session, a type of power use session, efficiency or issues associated with such a power use session, information about power consumed by one or more batteries... and the like” (paragraph [0099] of *Griffith*) and (2) “power cost data”, “... such data can include real-time changes in energy cost, scheduled changes in cost based on time of day, day of the week, season, or the like... a price that will be paid for energy provided to the grid 110” (paragraph [0100] of *Griffith*). The battery system of *Griffith*, however, is not configured to monitor a power output configuration based on **temperature data of a heat transfer element of an appliance**. Moreover, unlike amended claim 21, the battery system of *Griffith* is not configured to determine whether to adjust the power provided to a heat transfer element [of an appliance] based on the **temperature value of the heat transfer element of an appliance**. Consequently, *Griffith* fails to disclose or suggest amended

claim 21. For reasons similar to those described above, *Steele* fails to remedy the deficiencies of *Griffith*.

At least in view of the foregoing, Applicant respectfully submits that amended claim 21 (and its dependent claims) are patentable over *Griffith*, and the Applicant respectfully requests that the rejection be withdrawn.

Independent Claim 33 is Patentable Over Griffith

Although different from amended claim 21, Applicant submits that amended independent claim 33 is patentable over *Griffith* for reasons similar to those discussed above with respect to amended claim 21. Thus, Applicant respectfully submits that amended independent claim 33 (and its dependent claims) are patentable over *Griffith*, and the Applicant respectfully requests that the rejection be withdrawn.

CONCLUSION

In view of the foregoing, Applicant respectfully submits that this application is in condition for allowance and, therefore, requests an indication of allowability. However, the Examiner is requested to call the undersigned if any questions or comments arise.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283 referencing Docket No. IMPU-007/01US 357792-2018. However, the Director is not authorized to charge the cost of the issue fee to the Deposit Account.

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Respectfully submitted,
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