

REMARKS

Administrative Overview

Prior to the Office Action of September 16, 2024, claims 1-20 were pending. In the Office Action,

- Claims 1-20 are rejected under 35 U.S.C. 102(a)(1) as allegedly being anticipated by Griffith et al. (US 2022/0344941, hereinafter “Griffith”).

In the present Amendment and Reply, claims 1, 3-6, 8, 9, 12, 13, 16, and 17 are amended, and claim 2 is canceled without a disclaimer of subject matter included therein. No new matter is added, and entry of the claim amendments is respectfully requested.

Claim Rejections Under 35 U.S.C. § 102

Applicant respectfully traverses the 35 U.S.C. § 102 rejections of claims 1-20. However, to expedite the prosecution of the present application, Applicant has amended claim 1 to further define the claimed invention. Applicant respectfully submits that the cited references Griffith does not teach or suggest recited elements of amended independent claim 1. For example, the cited reference Griffith fails to teach or suggest at least:

“a bidirectional converter included in the battery module,

...

wherein the bidirectional converter has **a first AC-DC converter for a 110 V power supply and a second AC-DC converter for a 220 V power supply,**”

as recited in amended claim 1 (emphasis added).

In the rejection of claim 1, the Office contends that Griffith discloses “a bidirectional converter coupled to the appliance and the battery module by a power bus,” by citing para. [0108] of Griffith.

Griffith in para. [0108] describes “edge storage can enable strategies for load sharing between appliances, including the use of bi-directional power converters at the plug, as well as dedicated wired connections.” However, [0108] of Griffith does not provide additional details about the bi-directional power converters. For example, Griffith is silent about “the bidirectional converter [including] a first AC-DC converter for a 110 V power supply and a second AC-DC converter for a 220 V power supply” for a bidirectional converter included in the battery module.

Instead, in para. [0129], Griffith describes “a battery can allow high-power appliances to be usable with 110 receptacle as opposed to having to install 220,” which appears to indicate that Griffith teaches against using a AC-DC converter for a 220 V power supply.

For at least the above reasons, the cited reference Griffith does not teach or suggest the above discussed claim limitations of amended claim 1, and thus does not anticipate the amended claim 1. Independent claim 1, as well as claims that depend therefrom, are thus patentable over the cited reference Griffith.

Independent claims 12 and 16 are similarly amended. Accordingly, amended independent claims 12 and 16 and their respective dependent claims are patentable over the cited reference Griffith at least for the similar reasons discussed above.

Accordingly, it is respectfully requested that the rejections of claims 1-20 under 35 U.S.C. § 102 be reconsidered and withdrawn.

CONCLUSION

Applicant respectfully submits that they have made a patentable contribution to the art. Reconsideration of this application in view of the foregoing remarks and withdrawal of the Examiner’s rejections are respectfully requested.

The Examiner is invited to call Applicant’s undersigned representative if doing so would expedite prosecution. If there are any additional charges, please charge Deposit Account No. 07-1700.

Date: December 16, 2024

Respectfully submitted,

/Sanjeet K. Dutta/
Sanjeet K. Dutta
Registration No.: 46,145
Phone No.: (650) 752-3260
Fax No.: (650) 853-1038

MAILING ADDRESS:
Goodwin Procter LLP
100 Northern Avenue
Boston, MA 02210
Customer No. 162143