

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

PEAG LLC (d/b/a JLab Audio), Audio Partnership LLC, and Audio Partnership
PLC (d/b/a Cambridge Audio)
Petitioners,

v.

VARTA Microbattery GmbH
Patent Owner.

Case No. IPR2020-01211
U.S. Patent No. 9,496,581

Case No. IPR2020-01212
U.S. Patent No. 9,153,835

Case No. IPR2020-01213
U.S. Patent No. 9,799,858

Case No. IPR2020-01214
U.S. Patent No. 9,799,913

SECOND SUPPLEMENTAL DECLARATION OF

MARTIN C. PECKERAR, PH.D.

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I, Martin C. Peckerar, Ph.D., declare as follows:

I. INTRODUCTION

1. I am currently a Professor Emeritus of Microelectronic Engineering at the University of Maryland. I have been retained by Patent Owner VARTA Microbattery GmbH (“VARTA” or “Patent Owner”) as a technical expert in the relevant art.

2. I made a First Declaration in this proceeding on March 31, 2021, which I understand is Patent Owner’s Exhibit 2043. My Supplemental Declaration in this proceeding was made on August 4, 2021, which I understand is Patent Owner’s Exhibit 2050.

II. QUALIFICATIONS

3. My qualifications are summarized in the First Declaration and are addressed in my curriculum vitae, which I understand is Exhibit 2044.

III. MATERIALS CONSIDERED

4. In addition to the materials I considered in forming the opinions set forth in my prior Declarations, I have reviewed and/or considered the following additional information:

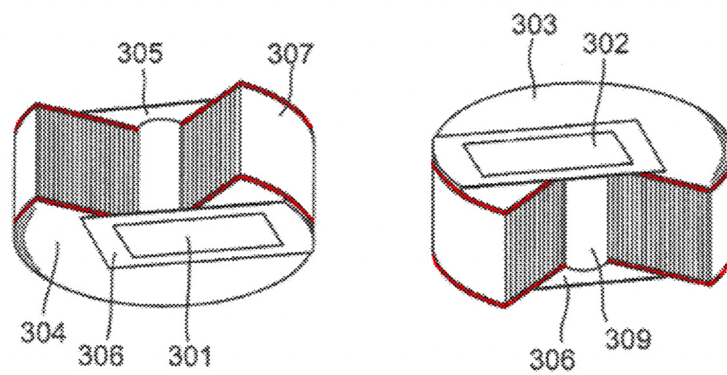
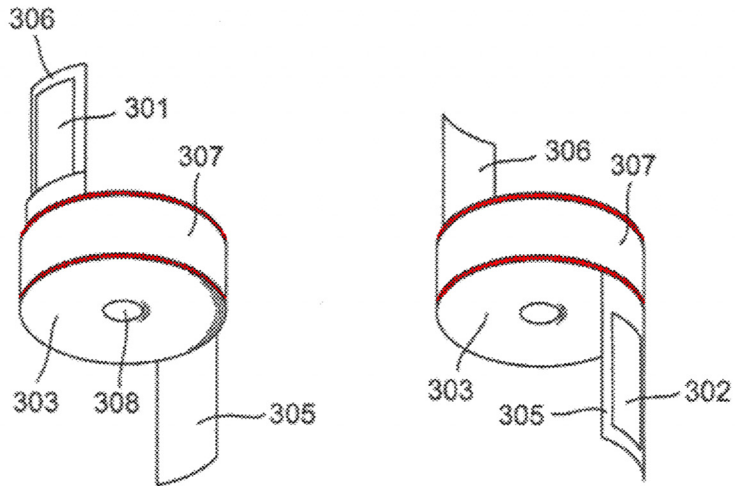
- Each of Petitioner’s Opposition to Patent Owner’s Revised Contingent Motion to Amend: Petitioner’s Opposition to Patent Owner’s Contingent Motion to Amend for the ‘581 Patent, IPR2020-01211,

Paper; Petitioner's Opposition to Patent Owner's Contingent Motion to Amend for the '835 Patent, IPR2020-01212, Paper 22; Petitioner's Opposition to Patent Owner's Contingent Motion to Amend for the '858 Patent, IPR2020-01213, Paper 23; Petitioner's Opposition to Patent Owner's Contingent Motion to Amend for the '913 Patent, IPR2020-01214, Paper 22; and

- Transcript of my September 10, 2021 Deposition (Ex. 1042).

IV. THE ORIGINAL PATENT SPECIFICATION OF U.S. PATENT NO. 9,799,858 DESCRIBES MULTIPLE INSULATING ELEMENTS

5. The '117 Application, which issued as the '858 patent, describes multiple insulating elements that shield a metal conductor disposed above or below a respective end face of an electrode separator assembly winding from said end face of the electrode separator assembly winding. In addition to what I have set forth in my previous supplemental declaration, a POSA would have understood FIGS. 3A and 3B to show insulating tapes 305, 306, and disc shaped insulators. Although not called out separately, a POSA would have understood the insulating tapes 305, 306 to be above the disc-shaped insulating elements (the thicknesses of which are highlighted in red in the annotated version of FIGS. 3A and B below) described in connection with respect to FIG. 1 (elements 112 and 113) and which shield over a larger area of the end faces of the electrode-separator assembly than is covered by the tapes 305, 306. *See also* Ex. 2035 at P. 52 ¶ [0048].



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