IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit	: 1726	**Customer No.: 035811**
Examiner	: Julian Anthony	
Serial No.	: 14/827,387	Docket No.: PCG-11-1270DIV
Filed	: August 17, 2015	
First Named Inventor	: Eduard Pytlik	Confirmation No.: 1010
Title	: BUTTON CELLS AND METHOD	
	: OF PRODUCING SAME	
		Dated: January 15, 2016

RESPONSE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Official Action dated October 15, 2015, the Applicant amends the application as follows:

In the Claims

1. (Currently Amended) A button cell comprising:

a housing cup and a housing top separated from one another by an electrically insulating seal and which form a housing with a flat bottom area and a flat top area parallel to it, and

an electrode-separator assembly within the housing comprising at least one positive and at least one negative electrode in the form of flat layers and connected to one another by at least one flat separator,

wherein

the electrode layers are aligned essentially at right angles to the flat bottom area and the flat top area and the electrode-separator assembly is a spiral winding having end faces defining side surfaces of the spiral winding facing in an axial direction relative to the flat bottom area and the flat top area, and

one of the electrodes connects to the flat bottom area or the flat top area via an output conductor comprising a ~~thin film~~ foil resting flat between an end face of the spiral winding and the flat top or the flat bottom area to which it is connected.

2. (Original) The button cell as claimed in claim 1, wherein the electrodes and/or the separator are/is strips or ribbons.

3. (Original) The button cell as claimed in claim 1, wherein the winding has an axial cavity in its center, which axial cavity is at least partially filled by a winding core.

4. (Original) The button cell as claimed in claim 1, wherein the electrode-separator assembly has one of the following layer sequences:

negative electrode/separator/positive electrode/separator and

positive electrode/separator/negative electrode/separator.

5. (Currently Amended) The button cell as claimed in claim 1, wherein the positive electrode and/or the negative electrode connect via [[an]] the output conductor to the housing in an area of the flat bottom area and/or of the flat top area.

6. (Original) The button cell as claim in claim 1, further comprising at least one insulator which prevents direct mechanical and electrical contact between the end faces of the winding and the flat bottom and top areas.

7. (Original) The button cell as claimed in claim 6, wherein the at least one insulator is a flat layer composed of plastic arranged between the end faces of the winding and the flat bottom and top areas.

8. (Original) The button cell as claimed in claim 1, which is rechargeable.

9. (Original) The button cell as claimed in claim 1, having a height:diameter ratio of <1.

10. (Original) A method of producing a button cell according to claim 1, comprising inserting an electrode-separator assembly with flat layer electrodes into the housing such that the flat layers of the electrode are aligned essentially at right angles to the flat bottom and top areas, wherein the housing comprises a metallic cup part and a metallic top part.

11. (Original) The method as claimed in claim 10, wherein the electrode-separator assembly is inserted as a winding.

12. (Original) The method as claim in claim 11, further comprising:

inserting the winding into the metallic top part, and

inserting the metallic top part with the winding into a metallic cup part.

13. (Currently Amended) The method as claimed in claim 11, wherein the winding is heat-treated on its end faces before being installed, and ~~for a short time~~ subjected to a temperature at which the separator is thermoplastically deformable.

Remarks

Claims 1, 5 and 13 have been amended to further clarify the claimed subject matter. No new matter has been added.

Additionally, the Applicants enclose herewith a corrected translation of a portion of the PCT application underlying the instant application. In particular, the Applicants note that lines 16-26 of page 23 of the publication of the PCT application, WO2010/089152, contains the German term "dünne Folien." As set forth in the verified translation, the connotation of this term when translated to English more closely resembles "thin foil" than "thin film." Accordingly, Claim 1 has been amended to conform the language to the better translation.

Claims 1-13 stand rejected under 35 USC §112, second paragraph, as indefinite. Specifically, the rejection states that the terms "thin" and "short" are relative terms that have unclear scope. Additionally, the rejection states that it is not clear if the output connector recited in Claim 5 is the same as the output connector recited in Claim 1.

Claims 1 and 13 have been amended to delete the terms "thin" and "short." Additionally, Claim 5 has been amended to clarify that the output connector recited in Claim 5 is the same as the output connector recited in Claim 1. Withdrawal of the rejections is respectfully requested.

Claims 1-13 are provisionally rejected on the ground of non-statutory double patenting over US Ser. No. 13/146,669. Withdrawal of the rejection is respectfully requested in light of the terminal disclaimer filed herewith.

In light of the foregoing, the Applicant respectfully submit that this application is in condition for allowance, which is respectfully requested.

Respectfully submitted,

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In re PCT Patent Appln. No. PCT/EP10/00787

VERIFICATION OF TRANSLATION

Michael Eberle, residing at Naegelestr. 11, 70597 Stuttgart, Germany, declares:

(1) that he knows well both the German and English languages;

(2) that he has read and understood lines 16-26 of page 23 of WO 2010/089152 A1, the international publication of the above-identified Application;

(3) that he has translated lines 16-26 of page 23 of WO 2010/089152 A1 from German to English;

(4) that the attached English translation is a true and correct translation of the above-identified application to the best of his knowledge and belief; and

(5) that all statements made of his own knowledge are true and that all statements made of information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: January 15, 2016

Michael Eberle

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English Translation of lines 16-26 of page 23 of WO 2010/089152A1

The positive and the negative electrodes make contact with the housing half-part comprising the cup and top via the output conductor 505 and the output conductor 506. The output conductor 505 is composed of aluminum, and the output conductor 506 is composed of nickel (or alternatively of copper). Both output conductors are thin foils, which rest flat between the end faces of the winding and the flat top and bottom areas 503 and 504. A continuous slight contact pressure is maintained on the output conductors by the winding core 512. The output conductors are preferably separated from the end faces of the winding by a separate insulator arrangement (not illustrated in the drawing), for example, by a thin foil.