US 20170135463A1

(19) **United States**

(12) **Patent Application Publication**

(10) **Pub. No.: US 2017/0135463 A1**

(43) **Pub. Date: May 18, 2017**

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(54) **ELECTRIC HAIRBRUSH USED TO CREATE WAVY PATTERN IN THICK TEXTURED HAIR COMMONLY FOUND WITH INDIVIDUALS OF PUERTO RICAN OR AFRICAN AMERICAN DESCENT**

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(21) Appl. No.: **14/944,810**

(22) Filed: **Nov. 18, 2015**

Publication Classification

(51) **Int. Cl.**

A46B 13/02	(2006.01)
A46B 13/00	(2006.01)
A46B 5/00	(2006.01)

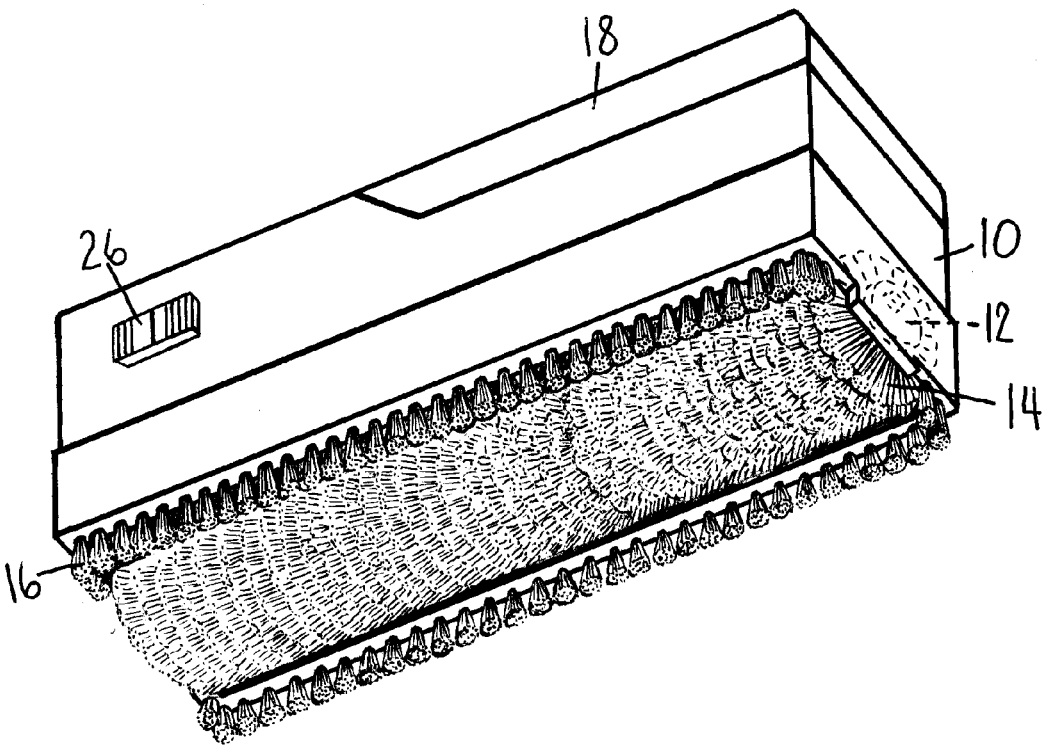
(52) **U.S. Cl.**

CPC ***A46B 13/02*** (2013.01); ***A46B 5/0012*** (2013.01); ***A46B 13/001*** (2013.01); *A46B 2200/104* (2013.01)

(57) **ABSTRACT**

An improved electric hairbrush used to create a wavy pattern in thick textured short hair commonly found with individuals of Puerto Rican or African American descent that consists of one embodiment having a body (**10**) with a battery compartment (**24**) that powers a motor (**20**) which rotates a belt (**22**) that in turn rotates a pivoted cylinder with bristles secured to it (**12**) attached to two sides of the body that also has a border (**16**) with bristles secured to it that determines how much pressure the user wishes to apply to the scalp while the pivoted cylinder with bristles is spinning and brushing the users hair enhancing the wavy pattern in a very efficient amount of time, which power is controlled by an on and off power button. (**26**)

Other embodiments are described and shown.



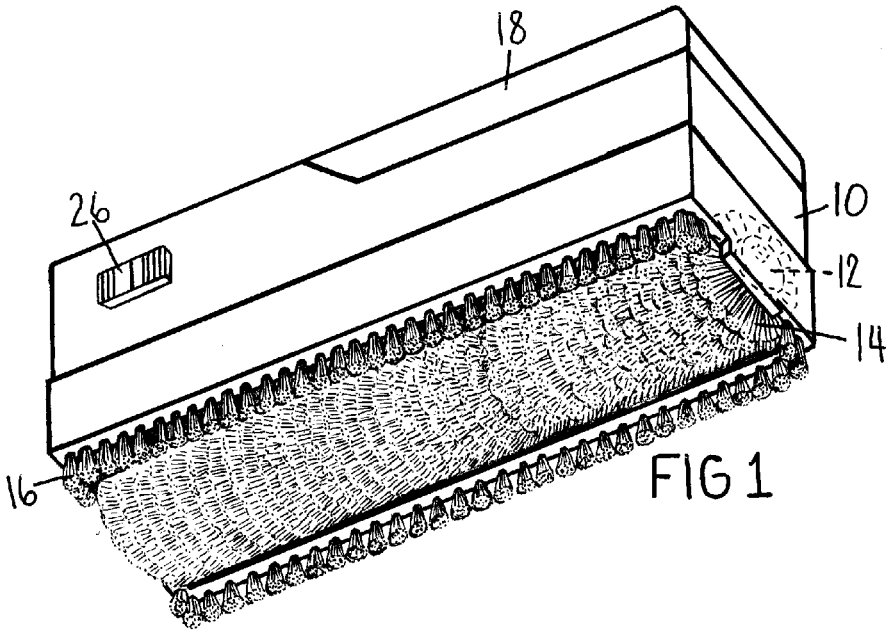


FIG 1

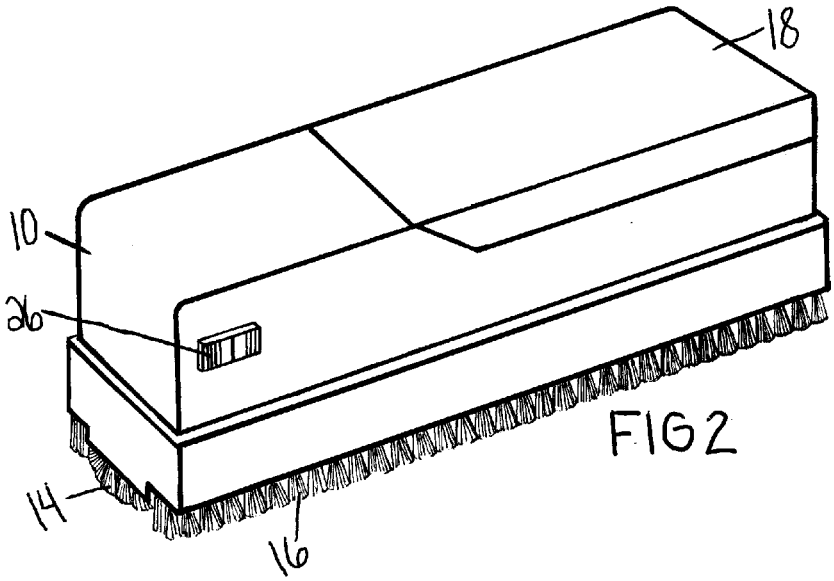


FIG 2

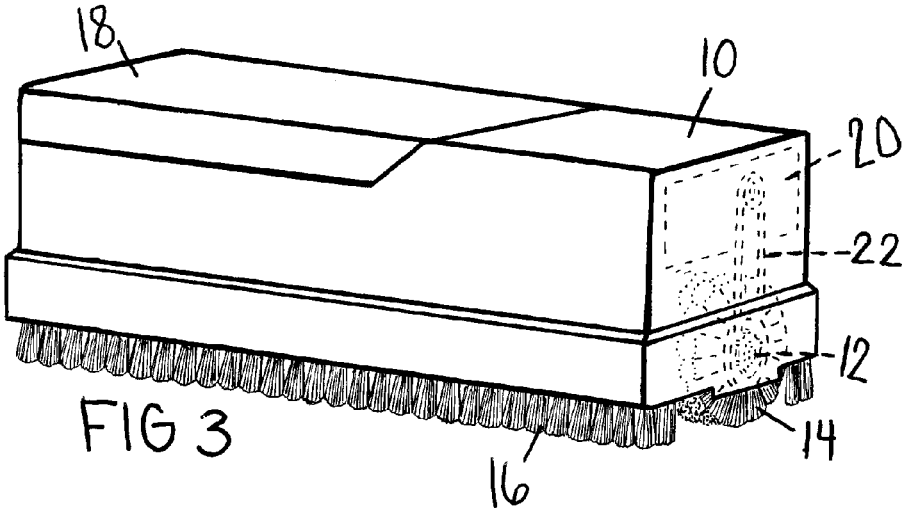


FIG 3

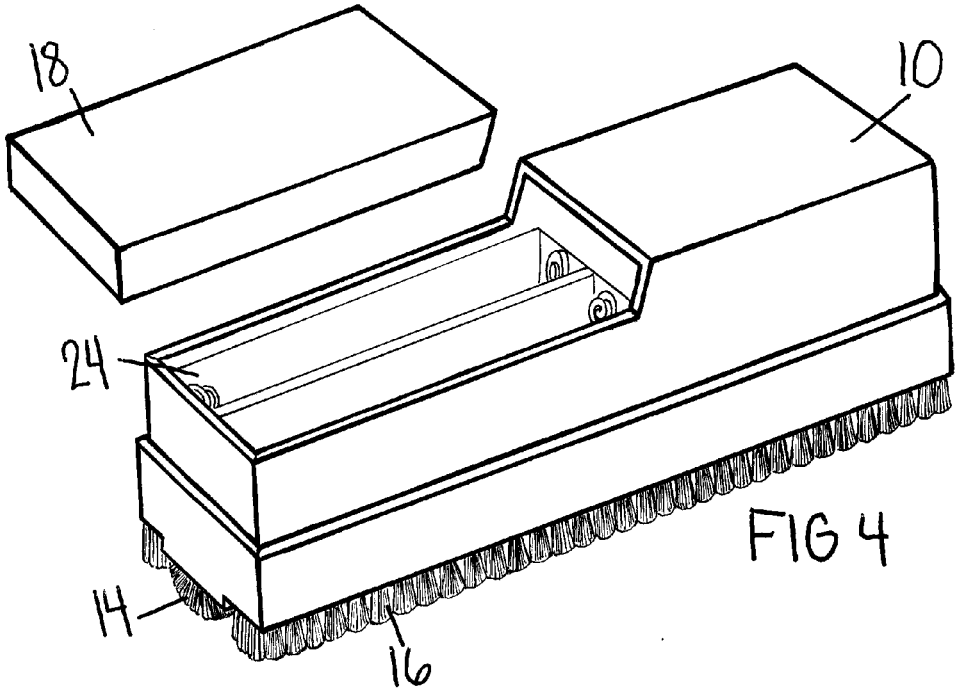


FIG 4

ELECTRIC HAIRBRUSH USED TO CREATE WAVY PATTERN IN THICK TEXTURED HAIR COMMONLY FOUND WITH INDIVIDUALS OF PUERTO RICAN OR AFRICAN AMERICAN DESCENT

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] Not Applicable

FEDERALLY SPONSORED RESEARCH

[0002] Not Applicable

SEQUENCE LISTING OR PROGRAM

[0003] Not Applicable

BACKGROUND—FIELD

[0004] This application relates to hairbrushes, specifically to a brush used to create a wavy pattern in thick texture hair commonly found with individuals of African American or Puerto Rican descent.

BACKGROUND—PRIOR ART

[0005] Individuals with thick textured hair, when the hair is cut short, will continuously brush their hair with a hand held brush to create a wavy pattern in their hair that is commonly referred to as "waves."

[0006] Currently, the wavy pattern commonly referred to as "waves" is accomplished by a constant, sometimes all day, brushing of ones hair in a belief that the more one brushes their hair, the more defined the wavy pattern will become.

[0007] This wavy type pattern is achieved by a constant brushing of ones hair by a medium to short length bristle brush similar to the brush in U.S. Pat. No. 525,514 to Cosby (1951).

[0008] When using the Cosby brush to manually brush their hair, it can take hours of brushing everyday to achieve the desired results. The constant brushing of ones head takes away time from other tasks a person could be accomplishing, or activities they could be participating in. Constant brushing even leads to arm fatigue. In order to brush your hair at all times, you have to carry around a large heavy brush every where you go which can be inconvenient with all the other possessions a person has to carry around.

[0009] The Cosby brush is an antiqued method to accomplish the wavy pattern commonly referred to as"waves", and the Cosby brush wasn't patented with this method of creating the wavy pattern in mind.

BACKGROUND—ADVANTAGES

[0010] The advantages of the first embodiment is that it consists of a rotating member covered with a multiple of bristles that rotates at a high speed that allows the individual to accomplish the equivalent of an extended period of time brushing ones hair, in a matter of minutes. The electronic hairbrush also has a border of bristles adjacent to the rotating member that lets the user determine how much pressure is applied to ones scalp.

[0011] Instead of a person having to brush their hair manually all through the day for the desired results, the electronic hairbrush allows an individual to get the desired result in a considerably shorter time.

[0012] These and other advantages of one or more aspects will become apparent from a consideration of the ensuing description and accompanying drawings.

SUMMARY

[0013] In accordance with one embodiment a powered hairbrush comprises a body that encloses a power source with a means for conveying rotational energy to a pivoting member, with a plurality of bristles secured to said member, along with a plurality of bristles secured to an adjacent border of the base of said body.

DRAWINGS—FIGURES

[0014] FIG. **1** shows an elevated view of an electric hairbrush with a rotating cylinder covered with bristles adjacent to a border of bristles in accordance with one embodiment.

[0015] FIG. **2** shows a similar electric hairbrush with a removable cap that covers the battery compartment along with the on and off power button in accordance with another embodiment.

[0016] FIG. **3** shows a similar electric hairbrush with an exposed rear view displaying a motor with a belt that rotates the cylinder covered with bristles in accordance with another embodiment.

[0017] FIG. **4** shows a similar electric hairbrush with the battery cap removed and hovering exposing the compartment where the batteries would be inserted in accordance with another embodiment.

DRAWINGS - Reference Numerals

10	body of device
12	pivoted cylinder with bristles
14	bristles secured to cylinder
16	bristles secured to border
18	removable cover
20	motor
22	belt
24	battery compartment
26	on and off power button

DETAILED DESCRIPTION—FIGS. 1 THROUGH 4—FIRST EMBODIMENT

[0018] One embodiment of the electric hairbrush in FIG. **1** (elevated view). The electric hairbrush has a body (**10**) that holds all of the parts together. In the preferred embodiment, the body is made of durable plastic. However, the body could consist of any material that is able to hold the pieces of the embodiment together securely, such as different kinds of plastic, metals, carbon fiber, etc.

[0019] The base of the electric hairbrush has a border of bristles (**16**) secured to the body (**10**). In the preferred embodiment, the bristles would be around 1 and a half centimeters long and made of a type of nylon, but also could be a type of plastic or any material suitable to be made for bristles such as wood, porcupine spines, etc. of various lengths.

[0020] At the base of the electric hairbrush is a rotating pivoted cylinder with bristles (**12**). Said pivoted cylinder with bristles (**12**) is attached to two sides of the body (**10**)

through an indent in said body and a protruding member on each side of said pivoted cylinder with bristles. (Not particularly shown) The preferred embodiment of the bristles secured to the cylinder (**14**) are made of a type of nylon, but also could be a type of plastic or any material suitable to be made for bristles such as wood, porcupine spines, etc. of any many lengths.

[0021] The electric hairbrush contains an internal battery compartment (**24**) that when batteries are installed in said battery compartment and the on and off button (**26**) is switched to the "on" position, the enclosed motor (**20**) will move the belt (**22**), which will in turn rotate the pivoted cylinder with bristles. (**12**). The bristles secured to the border (**16**) will arrive at the same length on the base as the bristles secured to the cylinder (**14**).

Operation—FIGS. **1**,**2**,**3**,**4**

[0022] To use the electric hairbrush properly, one must have thick textured hair, cut short. As the preferred size of the electric hairbrush is hand held, you would hold it from the top of the body (**10**), with the pivoted cylinder with bristles (**12**) rotating in a downward direction when applied against the scalp.

[0023] The bristles secured to the border (**16**) of the electric hairbrush determine how much pressure is applied to the scalp. When the bristles secured to the cylinder (**14**) are rotating against the scalp and brushing the hair, said bristles secured to the cylinder are creating and or enhancing the wavy pattern in the hair commonly known as "waves."

[0024] The body of the device (**10**) has a battery compartment (**24**) enclosed, that when batteries are installed in said body and the on and off button (**26**) is positioned in the "on" position, it provides power to the motor (**20**), which in turn moves the belt (**22**), which will in turn rotate the pivoted cylinder with bristles (**12**). The bristles secured to the border (**16**) will arrive at the same length on the base as the bristles secured to the cylinder (**14**).

Improvement

[0025] Currently, the wavy type pattern in thick textured hair commonly known as "waves" is achieved by using a short length bristle hairbrush similar to the brush in U.S. Pat. No. 525,514 to Cosby. The brush is held not by the handle, but by the top of the brush to better grip it.

[0026] The Cosby brush wasn't patented for individuals with thick textured hair to achieve the wavy pattern commonly referred to as "waves," but is now used by individuals to achieve the wavy pattern known as "waves."

[0027] Wherein the improvement achieved by the electric hairbrush is achieving the wavy pattern commonly known as "waves" in a much faster time as well as a more defined wavy pattern because of the specifications incorporated specifically to achieve the desired enhanced results intended by use of the electric hairbrush which is designed for this specific purpose.

Advantages

[0028] From the description above, a number of advantages for my electric hairbrush becomes evident:

[0029] (a) The current way to achieve a wavy pattern in short thick textured hair is to continuously brush ones hair with a regular short bristled hairbrush that sometimes requires a person to brush their hair for long periods of time all through the day. With the electric hairbrush, a person could accomplish an hours worth of manual brushing of ones hair in a matter of minutes.

[0030] (b) With a regular hairbrush used to create the wavy pattern in thick textured short hair a person has to carry their brush with them and brush their hair all through the day when time allows them to.

[0031] With the electric hairbrush, a person could use it for a brief period in the morning and accomplish what a whole day of manual brushing might accomplish, and not have to carry the brush with them.

CONCLUSION, RAMIFICATIONS, AND SCOPE

[0032] Accordingly, the reader will see that the electric hairbrush of various embodiments can be used to create a wavy pattern in short thick textured hair efficiently and more defined than the current available methods. It is able to create a wavy pattern in short thick textured hair in a shorter amount of time and with better results.

[0033] Although the description above contains many specificities, these should not be construed as limiting the scope of the embodiments but as merely providing illustrations of some of the presently preferred embodiments. For example, there could be an additional pivoted rotating cylinder with bristles to possibly double the efficiency of the electric hairbrush. The body of the embodiment could be made into a round or oval shape, the power source could be of a different source, or rechargeable, instead of using a belt to rotate the cylinder with bristles, the belt system could be replaced by a system with gears or a lever to rotate the cylinder with bristles, or the bristles could be of a carbon fiber or other composite, etc.

[0034] Thus the scope of the embodiments should be determined by the appended claims and their legal equivalents, rather than by the examples given.

I claim:

1. A powered hairbrush that comprises a body, that a power source contained in said body produces rotational energy to a means for controllably coupling rotational energy from said power source to a pivoting member secured to said body on both sides, with a plurality of bristles secured to said pivoting member, adjacent to a border surrounding said pivoting member, said border contains a plurality of bristles secured thereto at the base of said body, and the improvement wherein said hairbrush has a power source with a pivoting member with bristles secured thereto, whereby an individual with thick textured hair cut short can enhance the wavy pattern in their hair in an extremely efficient time frame.

2. The powered hairbrush of claim **1** wherein rotational energy to a means consists of a belt or gear mechanism.

3. The powered hairbrush of claim **1** wherein attached said pivoting member is attached on two sides by a protruding member inserted in an opening on two sides of said body.

4. The powered hairbrush of claim **3** wherein said pivoting member is made of a plastic composite, and plurality of bristles secured to said pivoting member are made of a nylon composite.

5. The powered hairbrush of claim **1** wherein said border surrounding said pivoting member with a plurality of bristles secured thereto is at the base of said body and made of a nylon composite.

6. The powered hairbrush of claim **5** wherein said border surrounding said pivoting member with a plurality of bristles

that determine how much pressure is applied to the scalp of said pivoting member with bristles attached thereto.

7. The powered hairbrush of claim **1** wherein said pivoting member with a plurality of bristles secured thereto rotates with bristles, said bristles are around 1 and a half centimeters long and come to the same length as said bristles on said border on the base of said body.

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