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(54) **PONYTAIL EXTENSION DEVICE WITH
ADAPTIVE MOTION AND LAYERED
CONCEALMENT TECHNIQUE**

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(57) **ABSTRACT**

The present invention relates to a ponytail extension device and a method of fastening thereof. The ponytail extension device comprises a main part (10) and a sister part (20), wrapping around a user's actual hair. The main part (10) comprises a hair attachment mechanism (2) adapted enable attachment of the main part (10) to the actual hair of the user. The sister part (20) comprises securing elements (9) adapted to secure at least a section of a left edge (20L) and section of an opposing right edge (20R) of the sister part (20). The main part (10) and the sister part (20) are fastened with an overlap, wherein the fastening can be either permanent or detachable. The sister part (20) is positioned under the main part (10), such that the overlapped region of the sister part (20) is located between the main part (10) and the user's actual hair.

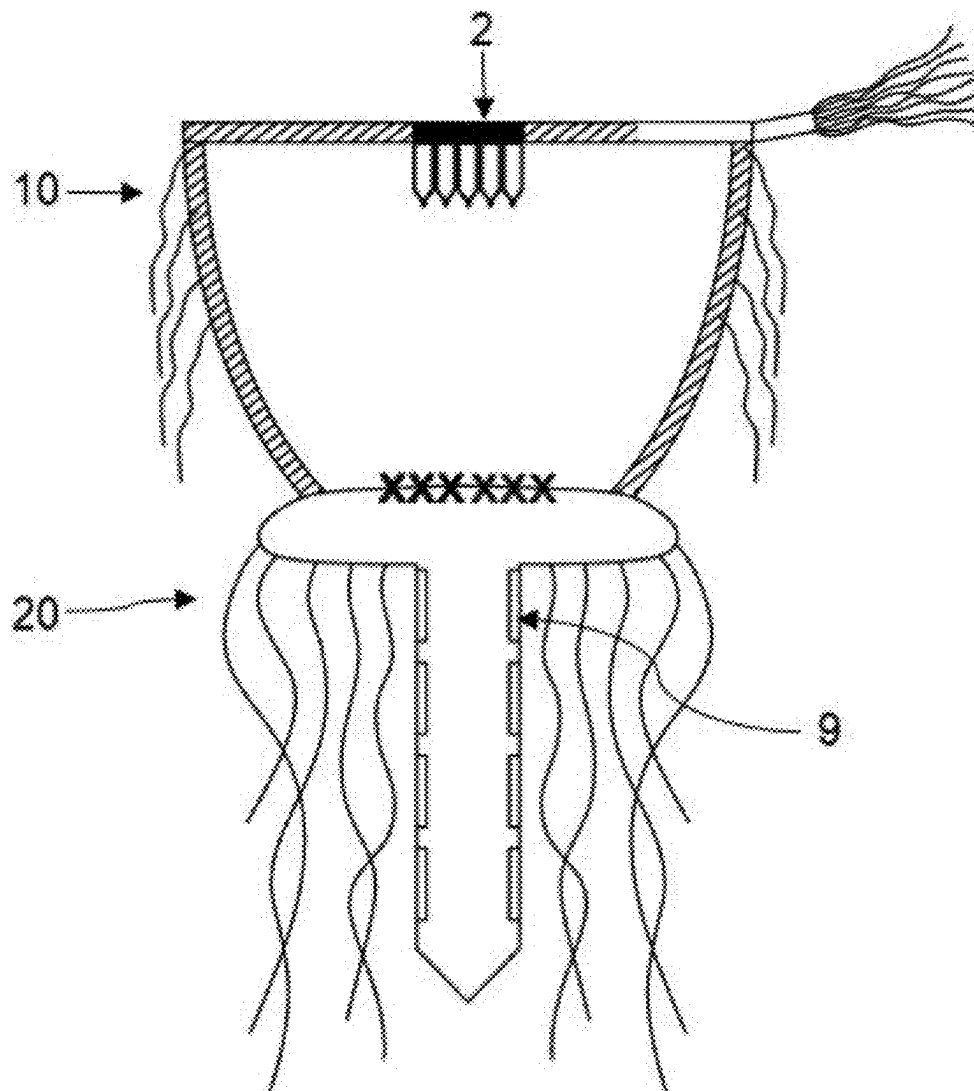


FIG. 1A

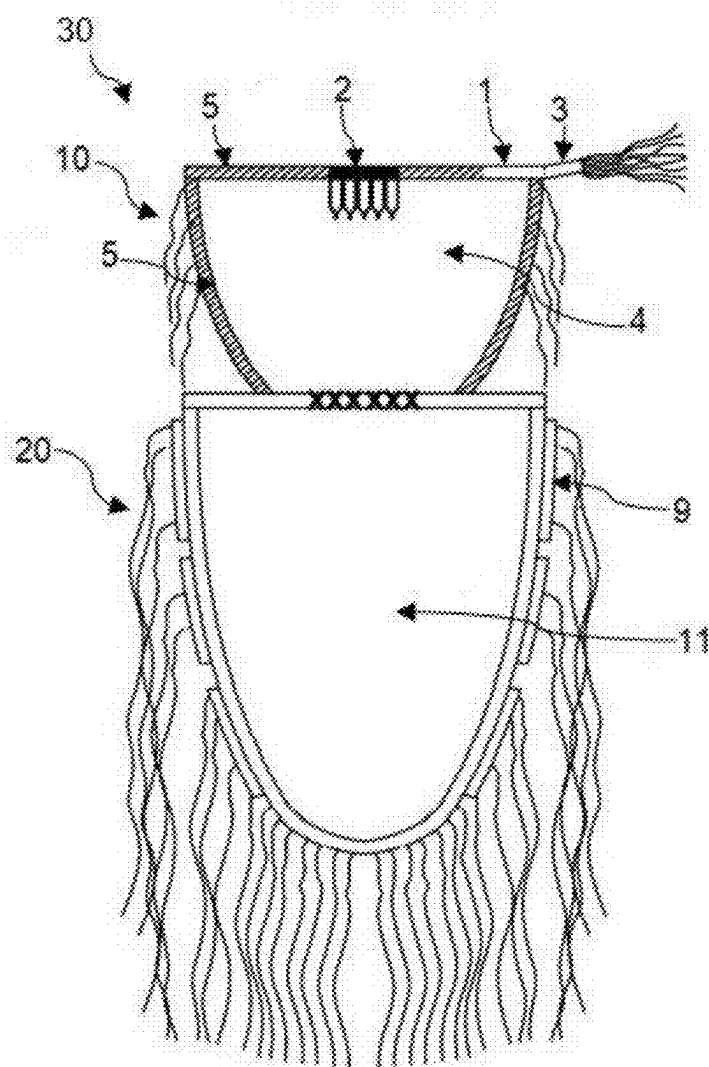


FIG. 1B

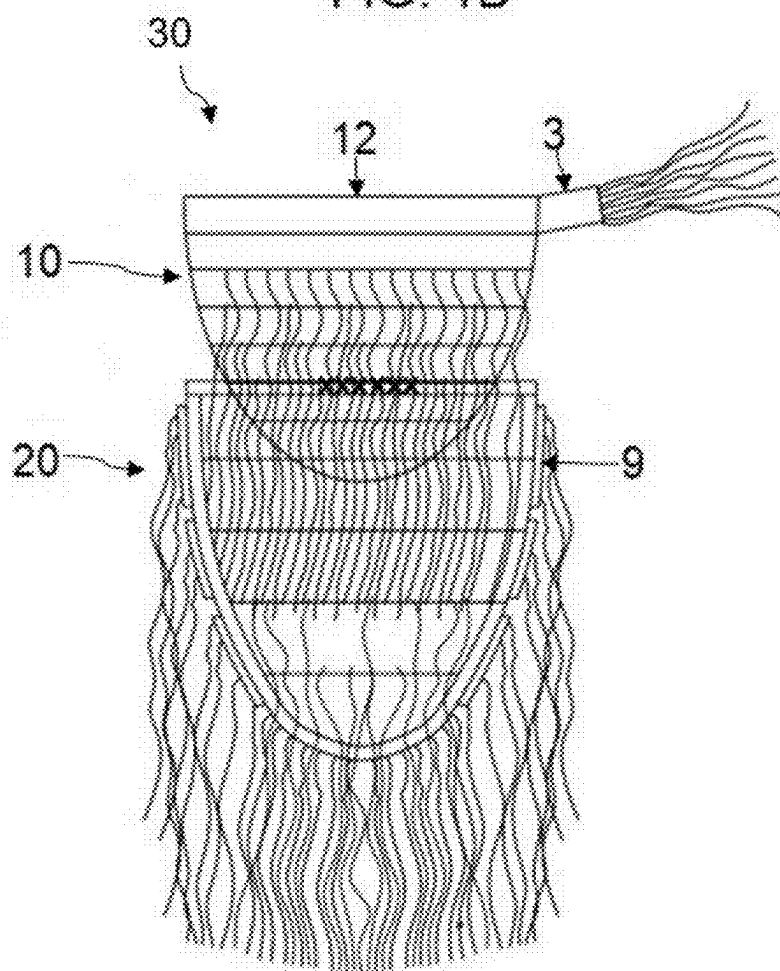


FIG. 2

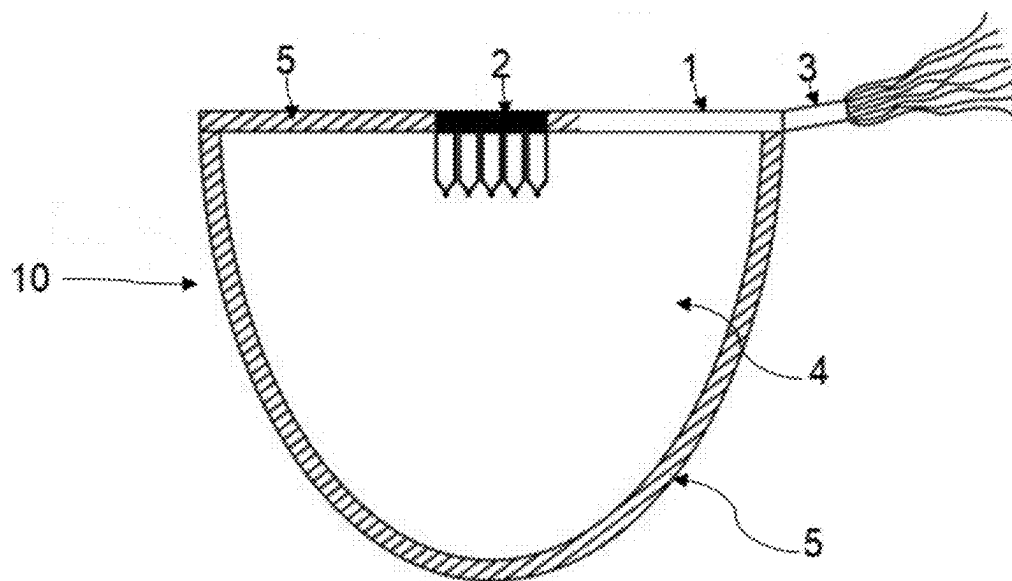


FIG. 3

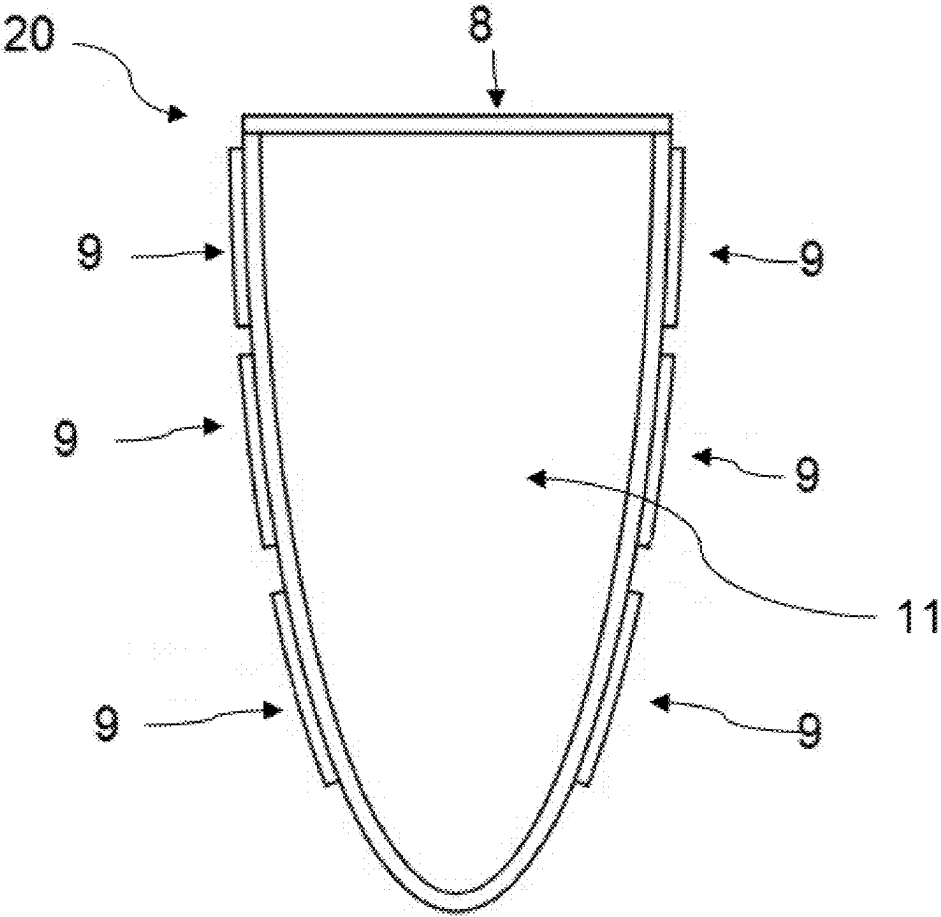


FIG. 4A

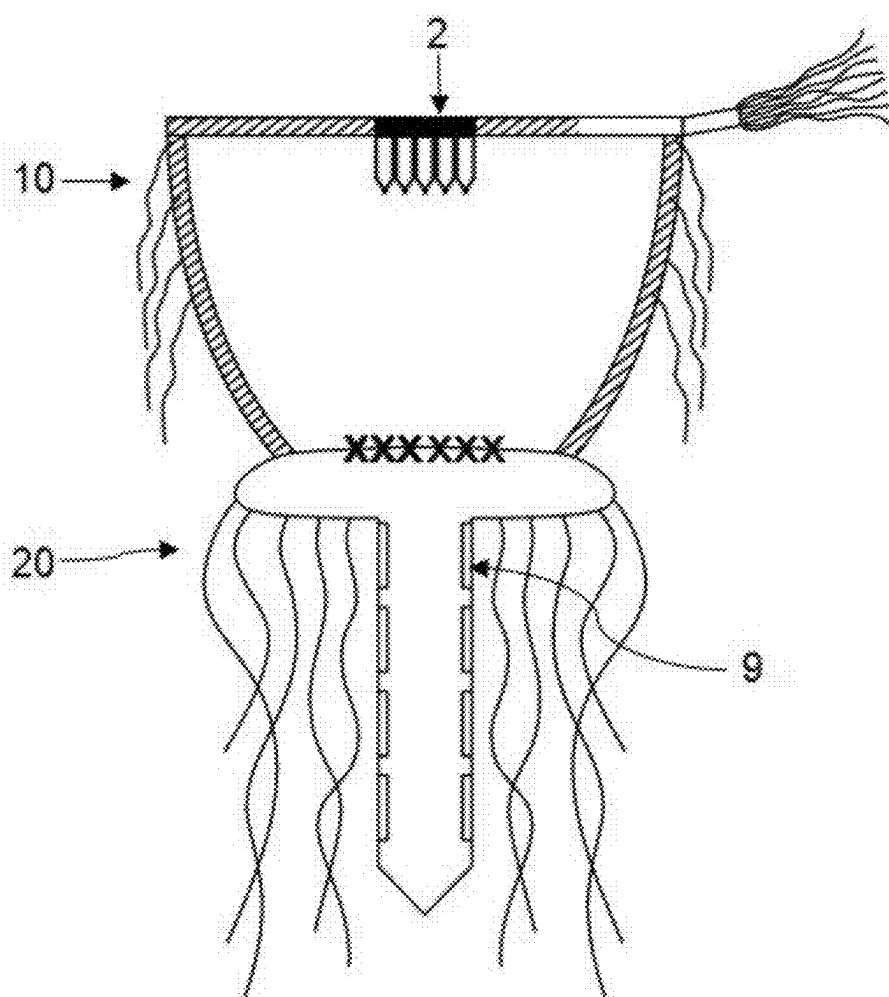
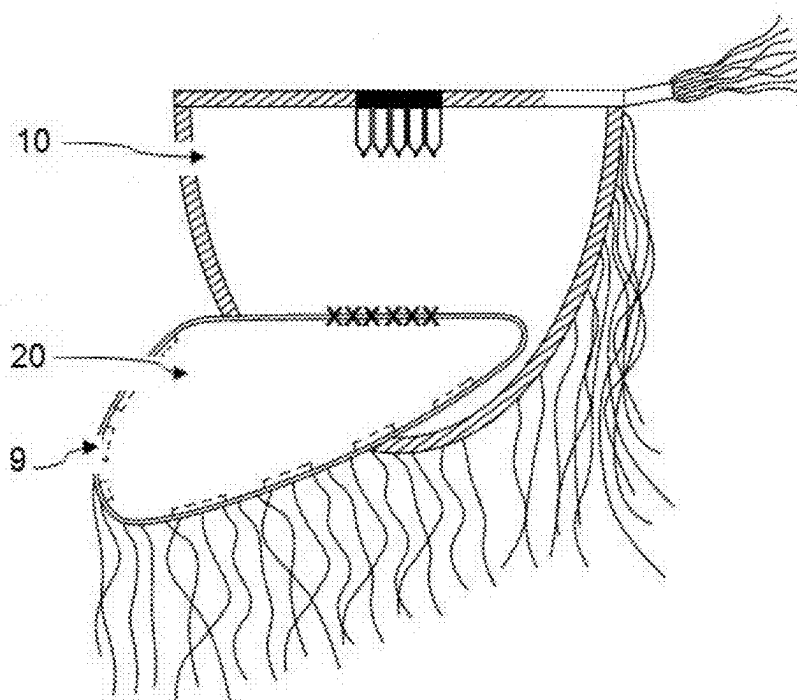


FIG. 4B



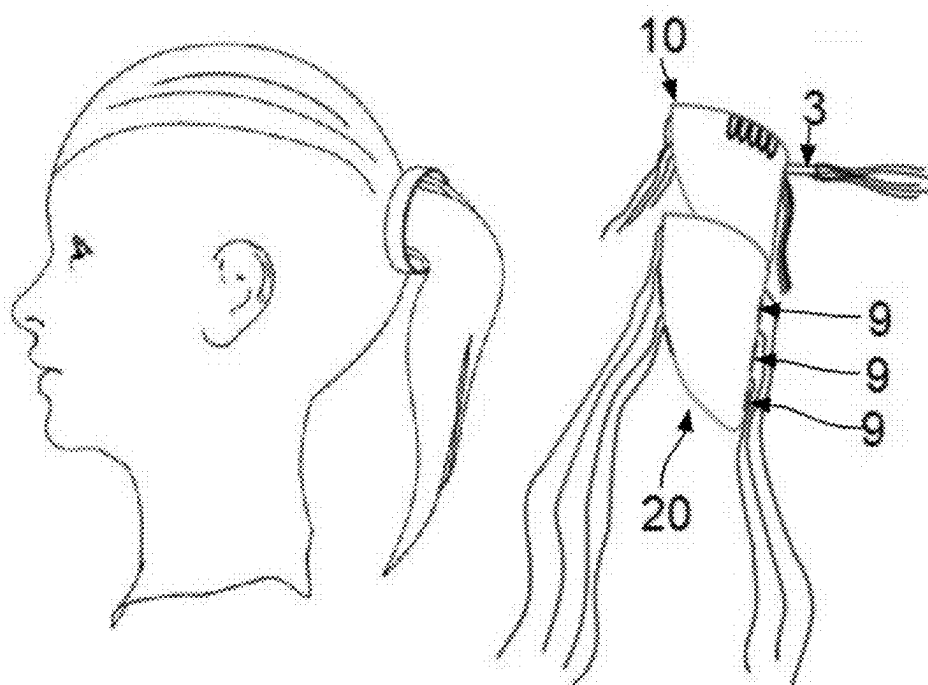


FIG. 5A

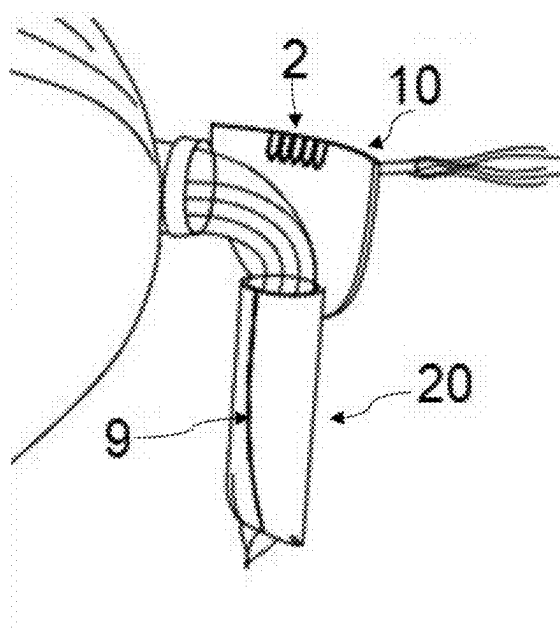


FIG. 5B

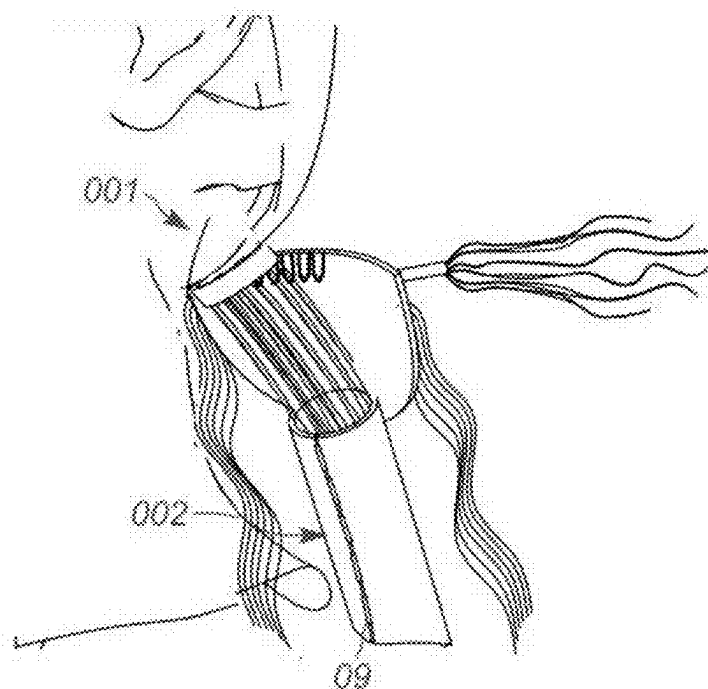


FIG. 6

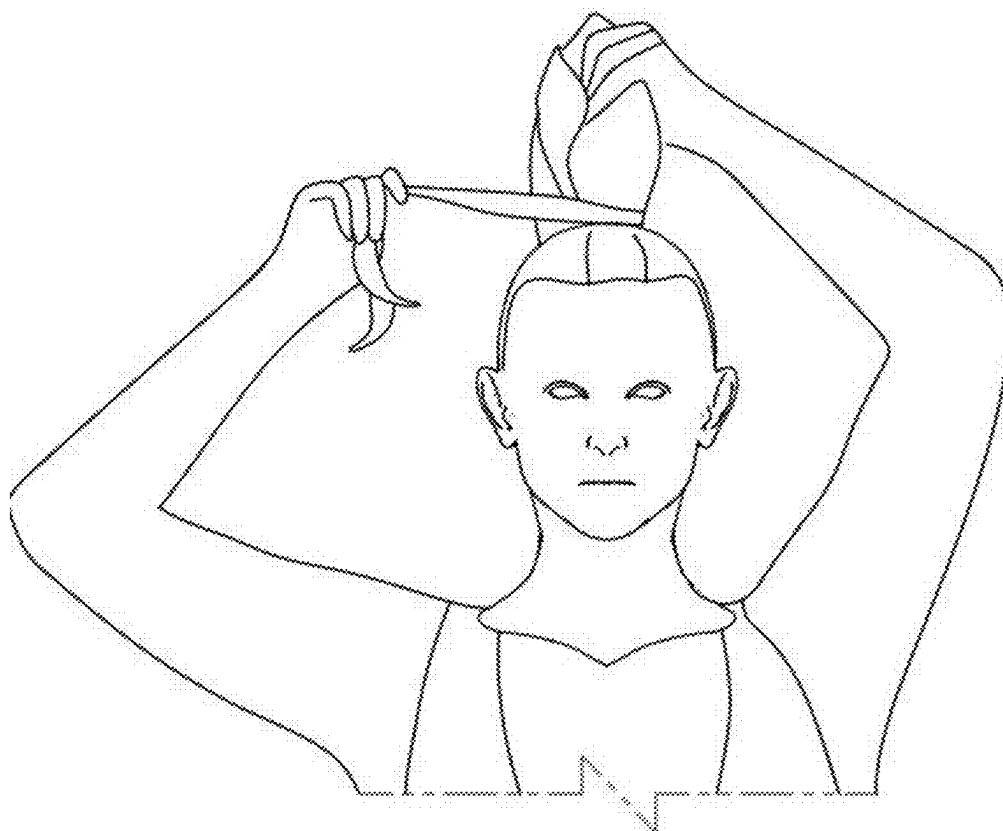
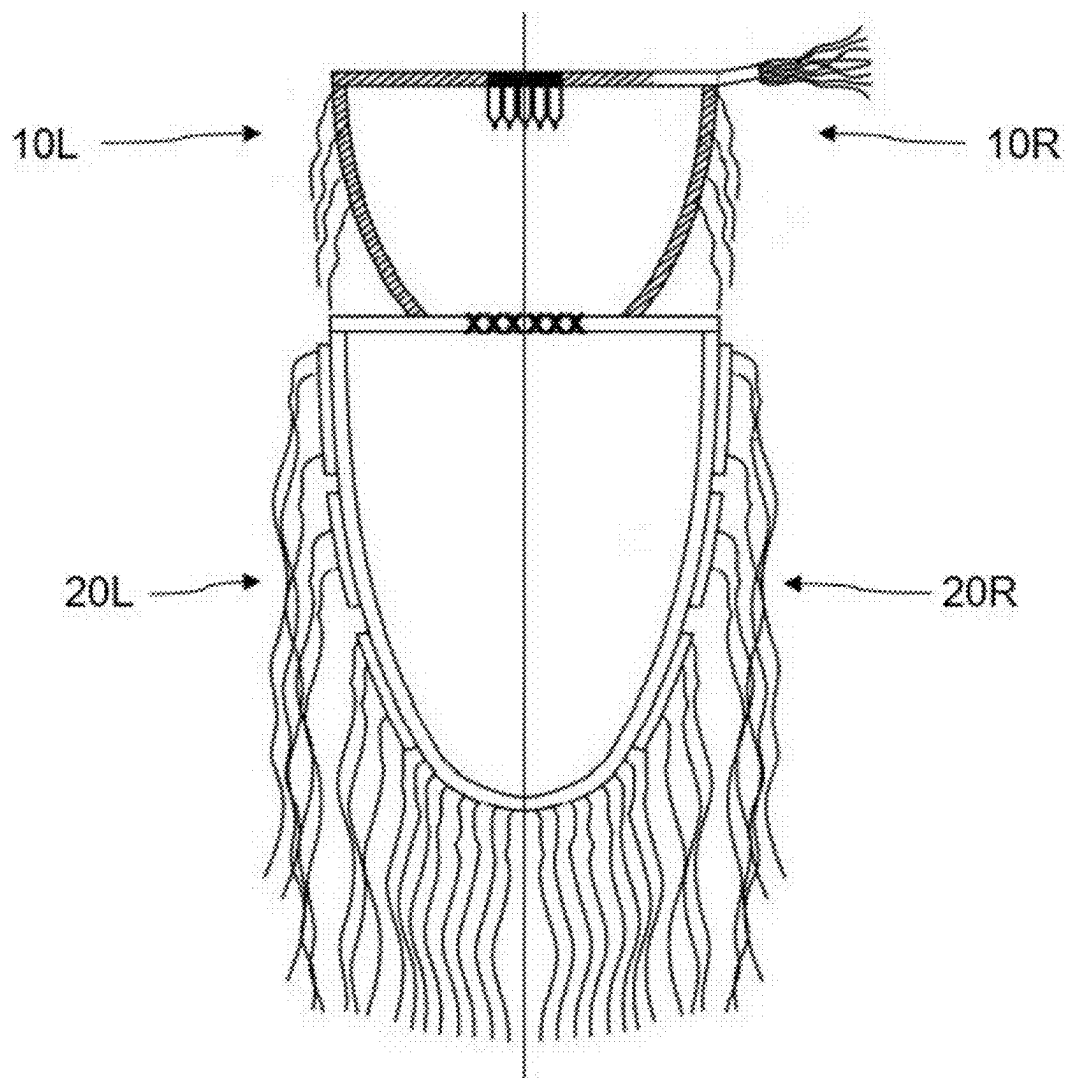


FIG. 7A



FIG. 7B

FIG. 8



PONYTAIL EXTENSION DEVICE WITH ADAPTIVE MOTION AND LAYERED CONCEALMENT TECHNIQUE

TECHNICAL FIELD

[0001] The present invention relates to hair extension devices. Specifically, the present invention relates to a ponytail extension device.

BACKGROUND ART

[0002] Ponytail extensions have long been a popular solution for providing women with additional length, volume, color, and other aesthetic effects to enhance their appearance. This type of hair extension product offers a simple and convenient way to change one's look with minimal effort and without the need to manipulate the customers actual hair. The concept is based on the customer gathering their actual hair into a ponytail and attaching the ponytail extension to the actual hair. The result is a harmonious and authentic hairstyle where the actual hair, also referred to as the natural hair in the patent, seamlessly blends. Within the field of hair extension devices there have been current design development aim to increase the look, feel, fastening and ease of applying hair extension devices.

[0003] However, there are several challenges and disadvantages associated with existing ponytail extension products on the market. For instance, the Drawstring ponytail, often deemed to create an unnatural impression, cannot be easily adjusted for women with long and thick hair. This leads to difficulties in securing it adequately, resulting in unexpected falling off. Furthermore, a significant challenge arises in effectively concealing the elastic band on the drawstring used to fasten the ponytail extension. The elastic band in question is usually long and must be carefully hidden to preserve the desired natural aesthetic. If the elastic band is not concealed properly and becomes visible, it immediately reveals that the wearer is using a ponytail extension, contradicting the fundamental purpose of this type of extension—to provide a simple and natural look with minimal effort.

[0004] There is also the Clip-in ponytail, which in many cases is considered easier to use than a Drawstring ponytail. It is attached by the wearer gathering their own natural hair in a ponytail and securing the ponytail extension in the natural hair using the hair attachment mechanism: usually a comb is inserted into the hair tie. This is a convenient product but also presents certain challenges, especially for wearers with a different hair type than the hair on the ponytail extension, as these two hair types do not blend in a natural manner.

[0005] Referring to patent no. KR200493745Y1 the challenge with this product is that it does not cover the actual hair underneath the hair extension but is produced to blend with the actual hair. The benefit of the present invention (the sister ponytail) is that it covers the actual hair inside the ponytail extension

[0006] To further elaborate, let's illustrate the example of a woman with Afro-textured hair who chooses to use a ponytail extension with straight hair. In this case, a clear challenge arises as the different hair textures do not naturally harmonize. The risk is that her actual hair may become visibly apparent unless it is altered in some way, such as through straightening or braiding. This implies that for

individuals with diverse hair types, the current clip-in ponytail solution may be restricted in its ability to achieve the desired natural and seamless look. This is a significant concern that needs to be addressed in the pursuit of improved ponytail extension alternatives.

[0007] Ponytail extension devices come in various hair textures, including straight hair (the most common, cheap and readily available type), "deep wave," "wavy," "bouncy curls," "body wave," and "kinky wave," which are becoming increasingly popular.

[0008] For women with Afro-textured hair, it poses a challenge to find a ponytail with a hair texture that matches their own, as Afro-textured hair varies among individuals in terms of texture, density, and curl patterns. The curl pattern can be more or less tightly coiled, feature different types of curls, and require specific care and styling routines. Additionally, the hair is influenced by factors such as climate, hair care practices, and the styling products used.

[0009] This means that women with Afro-textured hair often find it necessary to manipulate and adapt their natural hair to match the ponytail extension, regardless of the chosen hair texture. These challenges strongly emphasize the need for a more adaptable and integrated solution that can address the multifaceted needs of users with different hair conditions and textures. The user is also referred to as the wearer throughout the patent.

[0010] As a consequence of these challenges, many women have resorted to different methods to conceal their actual hair when using ponytail extension devices. A common method involves encircling additional hairpieces onto actual hair. However, this method has its downsides, as it not only causes wear on the actual hair but also adds weight to the ponytail. Furthermore, it demands a more time-consuming process for both the application and removal of the ponytail. Additionally, obtaining the extra hairpieces is time-consuming and incurs additional costs.

SUMMAR OF INVENTION

Problem

[0011] One method involves braiding the actual hair to conceal it within the clip-in ponytail extension. This technique effectively conceals the actual hair since the hair from the ponytail extension covers the braid. However, it requires the hair on the ponytail extension to be sufficiently thick to conceal the braid. Given that Afro hair, as illustrated in the example, is thicker than straight hair, a substantial amount of hair is often required on the ponytail extension to prevent it from appearing too thin. Consequently, there is a significant risk of the braid becoming visible, especially when the person moves their head. This is because the ponytail extension may not have enough hair to adequately cover the braid, posing a potential visibility issue during head movements.

[0012] To address this issue, many women encircle hair bundles to the braid. This action aims to both cover the braid and provide the ponytail extension with a fuller and more natural appearance. The actual hair is now covered by the hair from the hair bundle, which blends with the hair of the ponytail extension. However, it is crucial to emphasize that this method is extremely time-consuming. It takes a significant amount of extra time to carefully wrap the hair bundles around the braid and then remove them when finished wearing the ponytail extension for the day. Moreover,

achieving a seamless look with this method requires the extra hair bundles to be precisely matched in length to the ponytail extension, ensuring a uniform and polished appearance. Equally important is the need for these hair bundles to complement the hair texture and color of the ponytail extension. Often, individuals opt for synthetic hair bundles due to their cost-effectiveness and discreet aesthetic. However, it's crucial to acknowledge that synthetic hair tends to tangle, especially in curly variations, presenting a challenge in terms of brushing, as it may lead to damage to the curls. It's worth noting that synthetic hair, being less durable than human hair, necessitates regular replacement.

[0013] Choosing human hair is a more expensive alternative. If you opt for human hair, meticulous care is essential, especially during the removal process at the end of the day, as it is prone to tangling. Additionally, there may be a need to trim the hairpieces since not all the hair is essential. The longer the hairpiece, the more intricate it becomes to secure without twisting, requiring a certain level of skill and patience for users to manage independently. Washing and brushing long hairpieces without additional tools can pose additional challenges.

[0014] As a result, the cumulative expenses associated with this method can become substantial over time, compromising the overall convenience of using a ponytail extension.

[0015] This has created a need for an innovative solution that can provide women with different hair textures a simple and convenient opportunity to use ponytail extension devices without worrying about their actual hair being visible or the use of the ponytail requiring complicated measures.

Solution

[0016] It is in light of these challenges and needs that the proposed invention called The Sister Ponytail, also referred to as Sister Ponytail and SP, has been developed to offer a comfortable and effective solution to these problems. The Sister Ponytail is intended to enhance the user experience for women who want to use ponytail extension devices while simultaneously maintaining their actual hair in a healthy, time-efficient, and cost-effective manner.

[0017] The invention Sister Ponytail presents an innovative solution for concealing the wearers actual hair inside a clip-in ponytail extension. It incorporates a new component called the sister, also referred to as the sister part, or sister in the patent. The sister is equipped with its own set of hair, securely attached to the main part with securing elements along the sides, enabling it to encircle and conceal the wearers actual hair, likely braided to remain discreet. Positioned approximately 2-8 centimeters on the lower end of the main part, the sister contains a hair set to cover the actual hair while providing the ponytail with a fuller and more realistic appearance. The patent is not only restricted to a sister part with a hair set but also without. It's not restricted to the centimeters of the placement of the sister or how many centimeters is sown in the main part.

[0018] The purpose of this design is to assist women, especially those with Afro-textured hair, in concealing their actual hair when using ponytail extensions. It is common for the textures of the ponytail not to match the afro hair, often requiring additional efforts such as using extra hairpieces or braiding the actual air. The challenge is that the braid is frequently visible during head movements. The Sister Pony-

tail compensates for this by securely covering the braid, offering a simple and time-saving solution to this problem.

[0019] By utilizing the Sister Ponytail, users no longer need to deal with the purchase and attachment of extra hair pieces, as it provides a comprehensive solution without additional costs. This method eliminates the need to straighten or style the hair to match the ponytail extension, reducing the risk of the braid being visible within the extension. By easily following the steps, including tying the hair into a ponytail or braid and securing the Sister Ponytail using the hair attachment mechanism and securing element, users can quickly and effortlessly achieve the desired look.

[0020] This invention represents a significant timesaving for women using ponytail extensions, enabling a more natural and voluminous appearance without the risk of natural hair visibility. This innovative concept has the potential to enhance the user experience and alleviate the hassle associated with using ponytail extensions, particularly for women with diverse hair textures.

BRIEF DESCRIPTION OF DRAWINGS

[0021] FIG. 1A illustrates a detailed frontal view of the Sister Ponytail, featuring both the main part, and the sister part, along with the key mechanisms.

[0022] FIG. 1B illustrates the backside of the Sister Ponytail, emphasizing the fastening element on the rear for secure connection.

[0023] FIG. 2 illustrates the main part of the ponytail extension and its hair attachment mechanism for a reliable connection to the actual hair.

[0024] FIG. 3 illustrates a closer look at the sister part and its securing elements for straightforward and gentle encircling.

[0025] FIG. 4A illustrates the flexible nature of the Sister Ponytail, allowing easy encircling, adaptation and flexibility.

[0026] FIG. 4B illustrates the securing element sewn inside the lace as an alternative.

[0027] FIGS. 5A and 5B illustrates the Sister Ponytail in relation to the user, demonstrating the encircling of the sister part to cover the actual hair.

[0028] FIG. 6 illustrates how the user secures the main part to the actual hair using the hair attachment mechanism.

[0029] FIGS. 7A-7B illustrate the user's final steps to attach the ponytail extension and the resulting appearance.

[0030] FIG. 8 illustrates the left edge and right edge of an embodiment.

DETAILED DESCRIPTION

[0031] This section outlines the detailed embodiment of the Sister Ponytail.

[0032] The present invention will now be described in more detail with reference to the accompanying drawings, illustrating exemplary embodiments of the invention. However, it should be noted that the invention can take on various forms and should not be interpreted as limited to the specific embodiments outlined herein. The exemplary embodiments are provided to ensure a comprehensive and complete disclosure, fully conveying the scope of the invention. This enables a person of ordinary skill in the art to create, use, and implement the invention. Similar reference numbers are used to denote corresponding elements across the various drawings.

Description of FIG. 1A

[0033] FIG. 1A illustrates a Sister Ponytail **30** according to the present invention, shown as it would appear in a frontal view where the key components and the complete appearance of the ponytail extension, ready for use, are clearly visible.

[0034] The main part **10**, of the present invention is a critical component and plays a key role in securely attaching the hair extension to the wearers actual hair, often styled in a ponytail or a braid. Ensuring a stable and reliable fastening of the extension, this part is of great importance.

[0035] The sister part **20**, of the embodiment is specifically designed to conceal the actual hair protruding from the ponytail and prevent the risk of visibility. By effectively encapsulating the actual hair inside the ponytail extension, the sister part **20**, aims to create an invisible transition and maintain a uniform and natural aesthetic.

[0036] The first hair fastening element **1**, (hook and loop fastener as per the illustration, also known as velcro) is used to secure the main part **10**, after the user has inserted the hair attachment mechanism **2**, in the hair tie. Subsequently, the user encircles the second hair fastening element **3** to the hair attachment mechanism **2** before using the first fastening element **1** to secure the embodiment. It is crucial to note that the patent is not limited to any specific fastening element. The patent encompasses various materials and alternatives for fastening elements, including but not limited to velcro, soft magnets, cords, elastic bands, clips, buckles, and fabric. All of these can be employed to achieve the same function according to the principles outlined in the patent.

[0037] For example, a hair attachment mechanism, such as a wig comb, can be used as a fastener by inserting into the hair at the end of the encircling process.

[0038] The velcro specifically exemplified in the illustration as the first hair fastening element **1** and the second hair fastening element **3**, are designed to match those on the back of the main part **10** according to FIG. 1B the third hair fastening element **12**. This provides a reliable and adaptable solution for the user to secure the ponytail extension. However, it is essential to emphasize that this illustration with velcro serves only as an example, and the patent extends to the use of different fastening elements in accordance with its overarching principles and purpose.

[0039] The hair attachment mechanism **2** is utilized to securely fasten and stabilize the ponytail extension device to the wearer's actual hair. The prominent advantage of this mechanism lies in its ability and function to securely affix the extension to the actual hair. It should be noted that this patent is not limited to a specific placement and allows the use of the mechanism around, inside, outside, or over the actual hair, depending on the chosen mechanism. Thus, the patent enables various customization options to meet different needs and preferences of the user and to maximize the user experience, ensuring gentleness to the hair.

[0040] The term "hair attachment mechanism" encompasses a variety of products serving this purpose: to securely unite the hair extension with the actual hair. The patent extends to all possible variants of mechanisms that fulfill the same function. Examples of such hair attachment mechanisms include, but are not limited to, wig combs, all forms of hair clips (clips with pins, claw clips, silicone clips, hairpin clips, hook and loop hair clips), hairpins, magnetic coupling, snap locks, clips, tape or double-sided adhesive strips, buckles, micro rings, or micro clips, hairpins with

loops or U-shape, hair ties with hairbands, elastic bands, silicone grips, hair hooks, cords, and elastic bands: hooks, cord locks, or drawstrings, as well as other mechanisms familiar to a person skilled in the art.

[0041] The second hair fastening element **3**, as shown in FIG. 1A is exemplified by the use of velcro. The second hair fastening element **3** are employed to join and secure the ponytail when the user encircles the hair strand to the hair attachment mechanism **2** to secure the ponytail. It should be noted that the term "velcro" is used here as a specific example and as part of the overarching generic term "fastening element," which includes various mechanisms serving the same purpose.

[0042] The fastening element **1, 3** is designed to enable a secure and effective fixation of the ponytail in place. The specified velcro is tailored to correspond with that on the back of the main part, providing a reliable and adaptable solution for the wearer to secure the hair extension.

[0043] It is essential to emphasize that the patent is not limited to the use of velcro. All fastening elements that fulfill the same function, including but not limited to soft magnets, cords, elastic bands, clips, buckles, and fabric, are encompassed by this patent. The principles of the patent allow for a broad variety of fastening elements to achieve the same function, providing flexibility and customization options in the design and use of the hair extension product.

[0044] The securing elements **9** is used to encircle the sister part **20** to cover the wearers actual hair. While magnets are used as an illustrative example in the figure, these mechanisms are not specifically limited to a magnetic securing mechanism. The patent extends to and encompasses various mechanisms serving the same purpose, providing flexibility and versatility.

[0045] Description of the Securing Element:

[0046] Variability in the securing elements. The element is not limited to specific size, shape, or strength, allowing adaptation to different design requirements and user preferences. This includes the ability to fasten the sister part in various sizes and adjust to the thickness of the user's own hair.

[0047] Placement and Positioning: The securing element can be positioned both outside and inside the fabric and lace on both sides and inside the sister part. This provides flexibility in how the securing elements can be integrated into the ponytail extension.

[0048] The present invention enables for the securing elements to be designed in a diversity of alternative designs and materials. The figure illustrates magnets as an example as this is a preferred embodiment. It is emphasized that other fastening mechanisms and materials are entirely possible. Examples include soft magnetic bands, zipper, clasps, hooks, buttons, and velcro. This broadens the spectrum of possible implementations and promotes diversity and innovation.

[0049] The securing element is purposefully designed for simple and gentle encirclement: The primary purpose of the securing element is to facilitate a simple and gentle encirclement of the sister part **20** to the actual hair. This function is intended to be performed with minimal effort from the user and with minimal damage to the actual hair.

[0050] Broadness in Materials and Mechanisms: The patent aims to protect not only the use of magnets but also all types of materials and mechanisms serving the

specified purpose. This includes alternative securing elements and materials to achieve a variety of technical solutions. The breadth in materials and mechanisms allows the invention to be adapted and implemented in various ways, providing flexibility in execution.

[0051] Lace **11**, also known as LaceRibbon Technology, may for example used to sew the hair extension into the device. It is important to note that the patent is not limited to the use of lace alone. Other similar materials, such as mesh (SilkMesh Technology), fabric (CottonWeave), or other materials used to secure and integrate the hair into the device, can also be used according to the patent. These include but are not limited to microfiber (MicroMesh Hair System), nylon mesh (NylonWeb Integration), polyester fabric (PolyWeft Innovation), lace ribbon (LaceRibbon Technology), satin material (SatinStrand Integration), acrylic mesh (AcrylMesh Hair Tech) and silicone bands (SiliconeStrand Technology).

Description of FIG. 1B

[0052] FIG. 1B illustrates the backside of the Sister Ponytail **30**.

[0053] The main part **10** of the embodiment includes its own set of hair.

[0054] The sister part **20**, of the embodiment includes its own set of hair.

[0055] The third fastening element **12**, illustrates velcro used to secure the main part **10**, by inserting the hair attachment mechanism **2** according to FIG. 1A in the hair tie and encircling the second hair fastener **3** to the hair attachment mechanism **2**. The convergence of **3** and **12** ensures a secure fastening of the embodiment.

[0056] The second fastening element **3** is used to attach the ponytail by encircling the hair strand to the hair attachment mechanism **2** referred to in FIG. 1A. The illustration shows the embodiment when viewed from behind. These fastening elements are used to join and secure the ponytail when the user encircles the hair strand to the hair attachment mechanism **2** to secure the ponytail.

[0057] The securing element **9** are magnets, used to secure the sister part **20**, covering the actual hair. Although magnets are used as an illustrative example in the figure, they are not specifically limited to magnetic securing elements. The patent extends to and encompasses various mechanisms serving the same purpose, providing flexibility and versatility. Example of this would be magnetic bands, clasps, hooks, and hook and loop fasteners.

Description of FIG. 2

[0058] FIG. 2 illustrates the main part **10** of the invention.

[0059] The first fastening element **1** (such as velcro as per the illustration) is used to secure the main part **10** after the user has inserted the hair attachment mechanism **2** into the actual hair.

[0060] The hair attachment mechanism **2** is employed to securely fasten and stabilize the ponytail extension device in the user's actual hair. The user places the hair attachment mechanism inside the hair loop and into the tie. Its advantage is securely attaching the extension to the hair tie.

[0061] The second fastening element **3**, is used to join and secure the ponytail when the user encircles the third fastening element **3** to the hair attachment mechanism **2** and the hair tie with the actual hair to secure the ponytail. The

fastening element is adapted to correspond with the fastening element on the back of the main part **10**, providing a reliable and adaptable solution for the user to secure the Sister Ponytail **30**.

[0062] Lace **4** is used to sew in the hair weft into the device. It is essential to note that the patent is not limited to the use of lace alone. Other similar materials, such as mesh, fabric, or other materials used to secure and integrate loose hair into the device, can also be used according to the principles of the patent

[0063] Fabric **5** is used to hold the ponytail extension together. It differs from the fastening element as the fastening elements **1,3** are only needed on the right edge to secure the ponytail extension to the wearer's actual hair. It is important to note that the patent is not limited to the use of fabric alone. Other materials, including but not limited to silicone and leather, can be used to secure the device.

Description of FIG. 3

[0064] FIG. 3 illustrates the sister part **20** separately from the main part **10** and in detail.

[0065] 2-8 centimeters **8**, of the sister part **20**, are attached into the main part **10**, while the remaining left and right edge hang loose. The loose part is intended to allow for a smooth encirclement of the actual hair, likely tied in a braid. It is important to note that this patent is not limited to a specific length of the sewn in part and the interval serves as an example, but the principle is that a portion of the sister part is affixed to the main part, which can vary in length and design as needed.

[0066] The sister part **20** deviates in shape compared to the main part **10** and is naturally longer to effectively cover the wearers actual hair, especially when in a braid.

[0067] When it comes to placement, the sister part **20** should be positioned between the middle to the lower end of the main part **10**. This choice is made to create volume while reducing the amount of material, hair, and weight on the sister part **20**. However, the patent is not limited to the described placement but can be positioned at any location on the main part **10**. It is also not restricted to being sewn onto the main part **10** but can be affixed using a button, zipper, or other alternatives, such as magnets, velcro, clasps, hooks, snaps, or adhesive fasteners.

[0068] The patent also includes the sister part as a detachable component that allows users to use the ponytail with or without it as needed. Furthermore, the innovation encompasses the incorporation of multiple sister parts in a stacked or layered arrangement wherein the fastening of the multiple sister parts (**20**) is either permanent or detachable affixed through velcro, buttons, zippers, magnets, or alternative materials, enabling an extendable feature for the sister part. This innovation caters to enhanced adaptability, particularly benefiting users with longer hair.

[0069] The detachable sister ponytail, characterized by multiple layers of hair, contributes to a more vibrant and authentic appearance, creating a lifelike effect. The advantages of having multiple detachable layers are manifold, allowing for the utilization of various color shades on different sections to achieve specific effects. For example, combining color 1 (black) and color 2 (dark brown) on separate parts can emulate a highlighted effect, providing a more realistic appearance given the rarity of entirely jet-black hair. Additionally, the option to experiment with

diverse hair textures on sister parts allows for the creation of volume and playfulness in the overall hairstyle.

[0070] Benefits Include:

[0071] Usage Flexibility: The detachable sister part offers the flexibility to use the ponytail with or without it, allowing users to adapt their hairstyle according to their preferences and the occasion.

[0072] Modular Design: Utilizing multiple sister parts with attachment options like velcro buttons, zippers, magnets, or alternative materials results in a modular design. This facilitates easy interchangeability and customization of sister parts to achieve the desired length and style.

[0073] Natural Appearance and Variation: The detachable sister ponytail with multiple layers of hair imparts a realistic and authentic effect. The use of different color shades and textures on various parts creates variation and naturalness that is challenging to achieve with a single hair color or texture.

[0074] Twist Effect and Aesthetic Diversity: The ability to employ different color shades on distinct parts allows for the creation of twist effects and aesthetic diversity, adding dynamism and interest to the ponytail.

[0075] Volume and Playfulness: Experimenting with diverse hair textures on sister parts enables the creation of volume and playfulness in the overall hairstyle, empowering users to customize their look based on desired hair volume and structure.

[0076] In conclusion, these innovations not only enhance adaptability but also provide the means to create a more versatile and natural-looking hairstyle.

[0077] The purpose of placing the sister part **20** from the middle to the lower end of the main part **10** is to cover the actual hair. Therefore, it is not necessary to sew the sister part higher up since the main part already covers the actual hair to a considerable extent. It is when the main part ends that we seek the support of the flexible sister part **20** to cover the extended part of the wearer's actual hair. Sewing the sister part **20**, higher up would, therefore, not serve the purpose.

[0078] If the sister part were sewn higher up, it would require more material and result in a heavier weight. The goal is to make the ponytail as light and flexible as possible while minimizing the use of hair and material (lace), making it lighter and more cost-effective.

[0079] According to the present invention the sister part **20** includes its own set of hair but the patent also includes a sister part without hair. At that point, the lace covers the actual hair and remains hidden by the existing hair set of the main part.

[0080] The securing elements **9** are magnets used to fasten the sister part **20** to cover the wearers actual hair, likely braided. The securing elements **9** (magnets) are not limited to size, shape, or strength and can be placed both on the outside and inside of the fabric and the lace on the left and right edges of the sister part. It is important to note that the use of magnets is not the only possible method. Other alternative materials, such as soft magnetic bands, clasps, velcro, can also be used to achieve the same purpose. The main purpose of the securing elements **9**, is to enable an easy and gentle encirclement of the sister part **20** to cover the actual hair with minimal effort and minimal damage to the hair. Therefore, this patent is protected for all types of materials and mechanisms that serve the same purpose.

[0081] The securing elements can also be positioned at various levels on the sister part, allowing for adjustment depending on the thickness or thinness of the braid, similar to adjusting bra straps or a bracelet with multiple loops. Other examples of items that can be adjusted in this manner include belts with multiple holes or headbands with adjustable fasteners.

[0082] Lace **11** is used to sew the hair weft into the sister part **20**. It is essential to note that the patent is not limited to the use of lace alone. Other similar materials, such as mesh, fabric, or other materials used to secure and integrate loose hair into the device, can also be used according to the principles of the patent

[0083] In one embodiment of the present invention, it is suggested that the main part and sister part are fastened such that a relative movement thereof is enabled. The relative movement may for example be enabled by arranged a number of receiving fastening elements along a vertical line on the main part **10** and an engaging fastening element arranged on the sister part **20**. Thereby allowing the user to choose the position of the sister part.

[0084] In another embodiment of the present invention, it is suggested that the hair attachment mechanism (2) and the first hair fastening element (1) are the same mechanism. This integration can be achieved by developing a Velcro hair tie which serves as both the attachment mechanism and the fastening element, facilitating the connection of the ponytail extension to the actual hair. Additionally, an alternative hair attachment mechanism can be designed to replace the traditional fastening mechanism, allowing for insertion into the hair to securely affix the ponytail.

Description of FIG. 4A

[0085] FIG. 4A clearly illustrates the movable and flexible nature of the Sister Ponytail **30**, specifically the sister part **20**. The sister part **20** is sewn into the main part over a specified length, while the remainder of the edges remains movable. This design choice is intentional and allows for a smooth and easy encirclement of the sister part **20** to cover the actual hair.

[0086] A crucial reason for attaching the sister part **20** from the middle to the lower end of the main part **10** is to create natural volume for the ponytail. This combination of attachment and flexibility provides the user with the ability to easily adjust and shape the ponytail to achieve the desired hairstyle. Therefore, the patent protects not only this specific method of attaching the sister part **20** but also encompasses all similar techniques serving the same purpose.

Description of FIG. 4B

[0087] FIG. 4B illustrates the securing elements **9** sewn into the lace as an alternative. The securing elements **9** (magnets) are sewn inside the lace itself, pointing towards variations in how the securing elements **9** can be employed and diversified. This versatility is a central aspect of the patent's purpose, protecting not only the use of magnets but also encompassing all similar mechanisms that achieve the same goal, whether the magnets are sewn inside the lace or placed on the outside.

Description of FIG. 5A

[0088] FIG. 5A illustrates the Sister Ponytail **30** in relation to the user.

Description of FIG. 5B

[0089] FIG. 5B illustrates how the sister part 20 is encircled to cover the actual hair using the securing elements 9. The securing elements (magnets) functions as buttons, ensuring a proper and secure attachment of the sister part 20. After the user encircles the sister part 20 to cover the actual hair, the ponytail extension is secured in the wearers actual hair by inserting the hair attachment mechanism 2 in the hair tie.

Description of FIG. 6

[0090] FIG. 6 illustrates the hair attachment mechanism 2 of the main part 10 inserted to the actual hair and hair tie.

Description of FIG. 7A

[0091] FIG. 7A demonstrates the wearer encircling the hair strand of the second hair fastening element 3 to the hair attachment mechanism 2 and the wearers actual hair. This final step is crucial for securing the Sister Ponytail 30 while achieving a refined aesthetic, effectively minimizing the visibility of the hair extension.

Description of FIG. 7B

[0092] FIG. 7B illustrates the end result.

Description of FIG. 8

[0093] FIG. 8 aims to facilitate an understanding of reference to right, left and vertical line. Shown in FIG. 8 are the left edge of the sister part 20L and main part 10L as well as the right edge of the sister part 20R and main part 10R according to one embodiment of the present innovation.

[0094] Reference Clarification:

[0095] 10L is the left edge of the main part.

[0096] 10R is the right edge of the main part.

[0097] 20L is the left edge of the sister part.

[0098] 20R is the right edge of the sister part.

[0099] Instructions for Use:

[0100] 1. Gather your hair into a ponytail. If you have short hair, create a hair knot instead. For long hair, form a braid. (FIG. 5A)

[0101] 2. Fasten the sister part to cover the actual hair. Secure the sister to the actual hair by using the securing elements (9). (FIG. 5B)

[0102] 3. Insert the hair attachment mechanism (2) behind the hair tie and into your actual ponytail. This secures the ponytail to prevent it from coming loose during movement. (FIG. 6)

[0103] 4. Utilize fastening elements (1) and (3). Encircle the hair strand (3) to the ponytail and secure it by joining with the support of (1) using the fastening elements located at the rear of the ponytail (12). (FIG. 7A) Subsequently, ensure the fixation of the hair strand with hairpins, preferably arranged in a cross formation.

[0104] 5. Done! (FIG. 7B)

What is claimed is:

1. A ponytail extension device, comprising:

a main part (10),

a sister part (20),

wherein the main part (10) and sister part (20) are adapted to encircle a part of the actual hair of a user,

wherein the main part (10) comprises a hair attachment mechanism (2) on the top side, adapted to enable attachment of the main part (10) to the actual hair of the user;

wherein the sister part (20) comprises one or more securing elements (9) adapted to secure at least a section of a left edge (20L) and section of an opposing right edge (20R) of the sister part (20); and

wherein the main part (10) and sister part (20) are fastened such that there is an overlap thereof;

wherein the sister part (20) is arranged under the main part (10) so as to arrange the overlapped region of the sister part (20) between the main part (10) and the actual hair of the user; and wherein the fastening of the main part (10) and the sister part (20) can be either permanent or detachable.

2. The ponytail extension device according to claim 1, wherein the main part (10) comprises a first hair fastening element (1) on the top side, adapted to secure at least a section of a left edge (10L) and an opposing right edge (10R) of the main part (10).

3. The ponytail extension device according to claim 2, wherein the hair attachment mechanism (2) and the first hair fastening element (1) are configured such that they can either be integrated into one and the same mechanism or function as separate components utilizing the same technical principle.

4. The ponytail extension device according to claim 1, wherein the sister part (20) is longer than the main part (10) as seen from an axis or profile extending along the ponytail of the user.

5. The ponytail extension device according to claim 4, wherein the main part (10) and sister part (20) are fastened such that a relative movement thereof is enabled.

6. The ponytail extension device according to claim 1, wherein the main part (10) and sister part (20) are fastened such that the main part (10) and sister part (20) are enabled to be encircled around the actual hair of the user independent of each other.

7. The ponytail extension device according to claim 1, wherein the sister part (20) is configured to allow the attachment of multiple sister parts (20) in a stacked or layered arrangement; and wherein the fastening of the multiple sister parts (20) is either permanent or detachable.

8. The ponytail extension device according to claim 1, wherein the sister part (20) comprises securing elements (9) arranged on either the surface or inside the fabric or lace.

9. A method for fastening a ponytail extension device; wherein the ponytail extension device comprises a main part (10) and a sister part (20), wherein respective parts are adapted to encircle a part of the actual hair of a user, wherein;

the main part (10) comprises a hair attachment mechanism (2) adapted to enable attachment of the main part (10) to the actual hair of the user;

the sister part (20) comprises securing elements (9) adapted to secure at least a section of a left edge and section of an opposing right edge of the sister part (20); and,

wherein the main part (10) and sister part (20) are fastened such that there is an overlap thereof; wherein the sister part (20) is arranged under the main part (10) as to

arrange the overlapped region of the sister part (20) between the main part (10) and the actual hair of the user;

wherein the method comprise the step of

A. forming a ponytail or braid of a user's actual hair;

B. performing, in any order:

encircling a section of the far end of the ponytail with the sister part (20) such that the main part (10) is closer to the scalp; and fastening the sister part (20) using the securing elements (9);

fastening the main part (10) to the hair of the user using the hair attachment mechanism (2) such that the sister part (20) is closer to the far end of the actual hair.

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