

Technical Disclosure Commons

Defensive Publications Series

November 2021

Ear Tip Holder

Aleesha Paulette Pruett

Follow this and additional works at: https://www.tdcommons.org/dpubs_series

Recommended Citation

Pruett, Aleesha Paulette, "Ear Tip Holder", Technical Disclosure Commons, (November 17, 2021)
https://www.tdcommons.org/dpubs_series/4728



This work is licensed under a [Creative Commons Attribution 4.0 License](https://creativecommons.org/licenses/by/4.0/).

This Article is brought to you for free and open access by Technical Disclosure Commons. It has been accepted for inclusion in Defensive Publications Series by an authorized administrator of Technical Disclosure Commons.

Ear Tip Holder

ABSTRACT

This disclosure describes an ear tip tube for storage and transport of ear tips. The ear tip tube (holder) can be made from spiral wound paper and is designed to store two pairs of ear tips. The tubular structure matches the shape of the ear tips. The ear tip tube includes an upper cover and a lower cover and can be opened from both ends to reveal two different sets of ear tips. The tube holder includes a separator to maintain a separation of differently sized ear tips. The tube holder includes an upper inner tube and a lower inner tube that are enclosed telescopically (concentrically) within an outer tube. The spiral wound tube holder provides a package that is durable, easily transported, and unique.

KEYWORDS

- Earbud
- Ear tip
- Wireless headset
- Ear fit
- Spiral wound container
- Paperboard
- Concentric tubes

BACKGROUND

Earbuds and headsets used for wired/wireless audio playback sometimes include ear tips to provide an optimal fit of the wearable device to a user and to provide additional audio isolation. A set of ear tips of different sizes is typically provided to enable the user to select the most suitable ear tips for their use. Ear tips are commonly packaged using plastic bags or paper

boxes. Plastic bags do not provide sufficient rigidity to prevent the ear tips from becoming deformed while paper boxes can be accidentally discarded.

DESCRIPTION

This disclosure describes an ear tip tube for storage and transport of ear tips. The ear tip tube can be manufactured from environmentally friendly materials, e.g., spiral paperboard, and enables storage of two different pairs of ear tips.

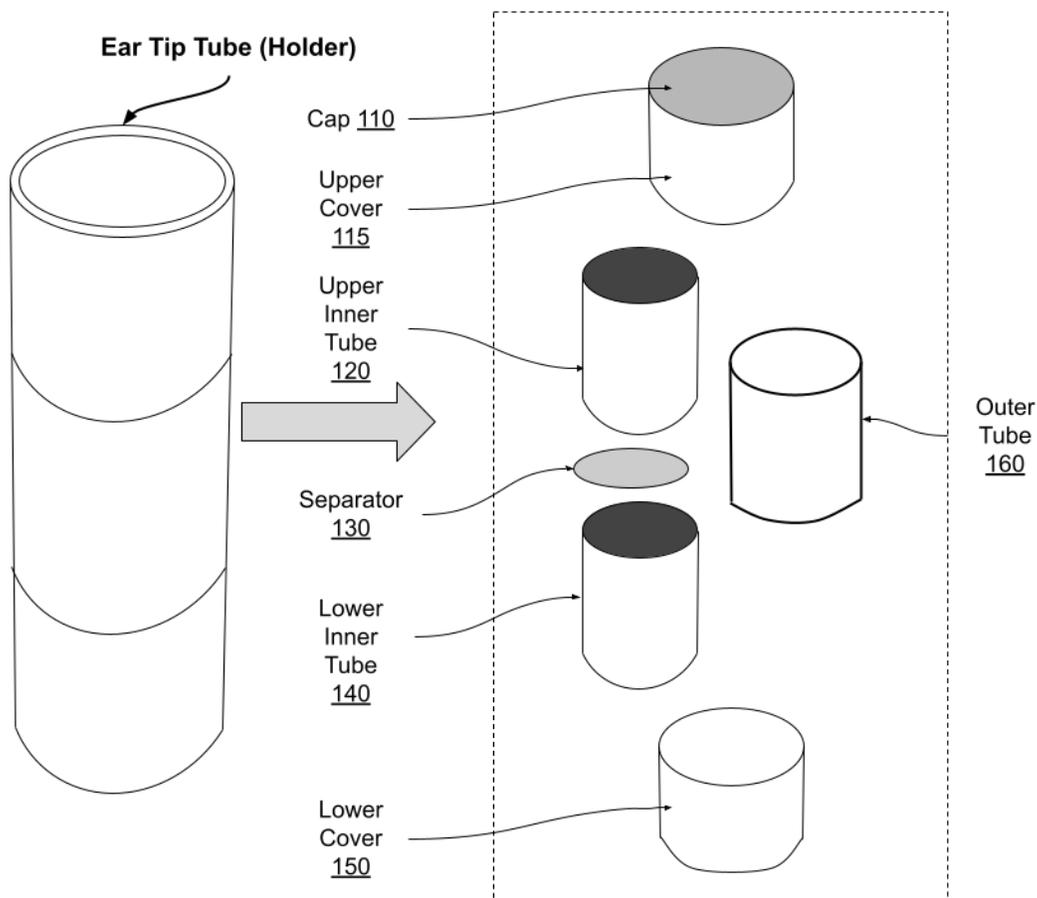


Fig. 1: Spiral wound paper tube for storage of ear tips

Fig. 1 depicts an example ear tip tube (holder) and its components. The ear tip tube (holder) can be made from spiral wound paper and is designed to store two pairs of ear tips. The tubular structure matches the shape of the ear tips.

The ear tip tube includes an upper cover (115) and a lower cover (150) and can be opened from both ends to reveal two different sets of ear tips. The tube holder includes a separator (130) to maintain a separation of differently sized ear tips during storage. The tube holder includes an upper inner tube (120) and a lower inner tube (140) that are enclosed telescopically (concentrically) within an outer tube (160). A cap (110) is provided to close the ear tip tube.

The spiral wound tube holder provides a package that is durable, easily transported, and unique. The holder can be utilized to ship ear tips of different sizes that can be used with wired/wireless earbuds.

CONCLUSION

This disclosure describes an ear tip tube for storage and transport of ear tips. The ear tip tube (holder) can be made from spiral wound paper and is designed to store two pairs of ear tips. The tubular structure matches the shape of the ear tips. The ear tip tube includes an upper cover and a lower cover and can be opened from both ends to reveal 2 different sets of ear tips. The tube holder includes a separator to maintain a separation of differently sized ear tips during storage. The tube holder includes an upper inner tube and a lower inner tube that are enclosed telescopically (concentrically) within an outer tube. The spiral wound tube holder provides for a package that is durable, easily transported, and unique.