

Relief

—TAP BACK TO NATURE—



PROUDLY DESIGNED IN ALASKA

U.S. Design Patent Pending

U.S. Non-provisional Utility Patent

Canada Non-provisional Utility Patent Pending

Child Resistant Certified



TAP TUBES, LLC

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Product

TAP TUBE

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WHO WE ARE

We're based in Alaska

We provide sustainable packaging

We are a packaging company located in Anchorage, dedicated to providing innovative and environmentally friendly packaging solutions.

We are bringing the packaging industry toward a sustainable future by relentlessly challenging conventional practices.



WHAT WE CAN PROMISE

We do quality control in every step

We reduce CO₂ emissions in every step

At TAP Tubes, our commitment lies in mitigating carbon emissions at every step of the supply chain, embracing environmental stewardship that extends beyond our products alone.

We hold ourselves accountable as a brand, dedicated to preserving the environment through our commitment to responsible practices.



We care about our **ENVIRONMENT**

We prioritize sustainable packaging, shifting from plastic to eco-friendly alternatives. Our commitment reflects a deep sense of environmental responsibility, showcasing leadership in conscious practices.

We care about our **CANNABIS INDUSTRY**

TAP Tubes, LLC, an Alaska entrepreneur is pioneering sustainable packaging in the cannabis industry, reshaping its image through responsible practices and fostering positive environmental perceptions.

We care about our **CLIENTS**

At TAP Tubes, LLC, we are dedicated to prioritizing customer satisfaction and environmental responsibility. Our packaging solutions are designed to offer top-quality, affordability, and sustainability.

12Min

The average actual usage time of a plastic package is about 12 minutes.

Low utilization

10 1000 Year

Plastic waste takes 10-1000 years to completely degrade in landfills.

Degradation time is long



Harmful to the environment

Many plastics contain and leach dangerous chemicals that can spread into soil and groundwater, posing risks to wildlife and humans.

However, For TAP tube ...

Multiple Uses

Biodegradable Material

Easy Entry into Biological Cycle

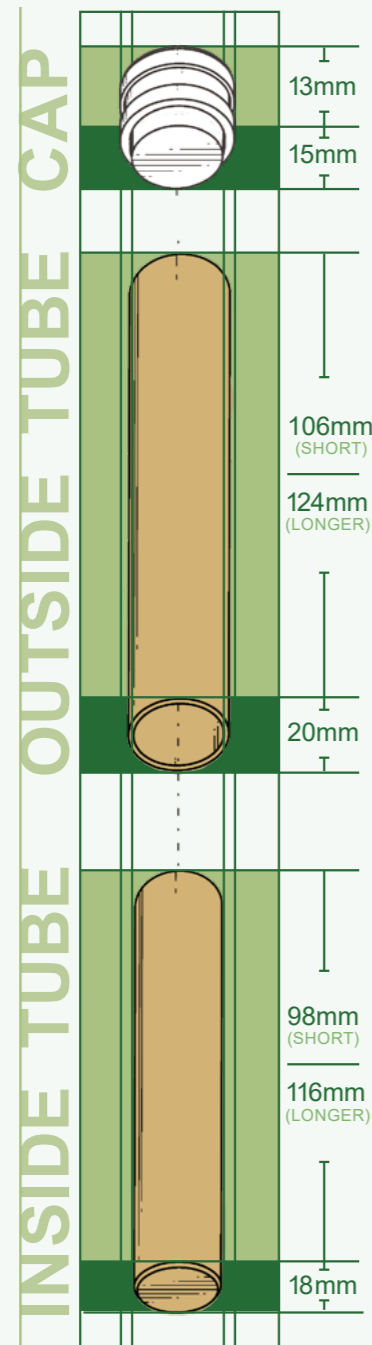
PLASTIC





“ To relentlessly challenge conventional packaging bringing the packaging industry towards a sustainable future. ”

Relief
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MATERIAL

10% NO.5 Plastic Polypropylene

| RECYCLABLE

90% FSC Certified Kraft paper

| BIODEGRADABLE

We utilize a composition of 90% rigid biodegradable kraft paper tubes and 10% precision-fit recyclable polypropylene caps.

This strategic combination reflects our commitment to minimizing environmental impact and adopting a sustainable, eco-friendly approach.

STRUCTURE

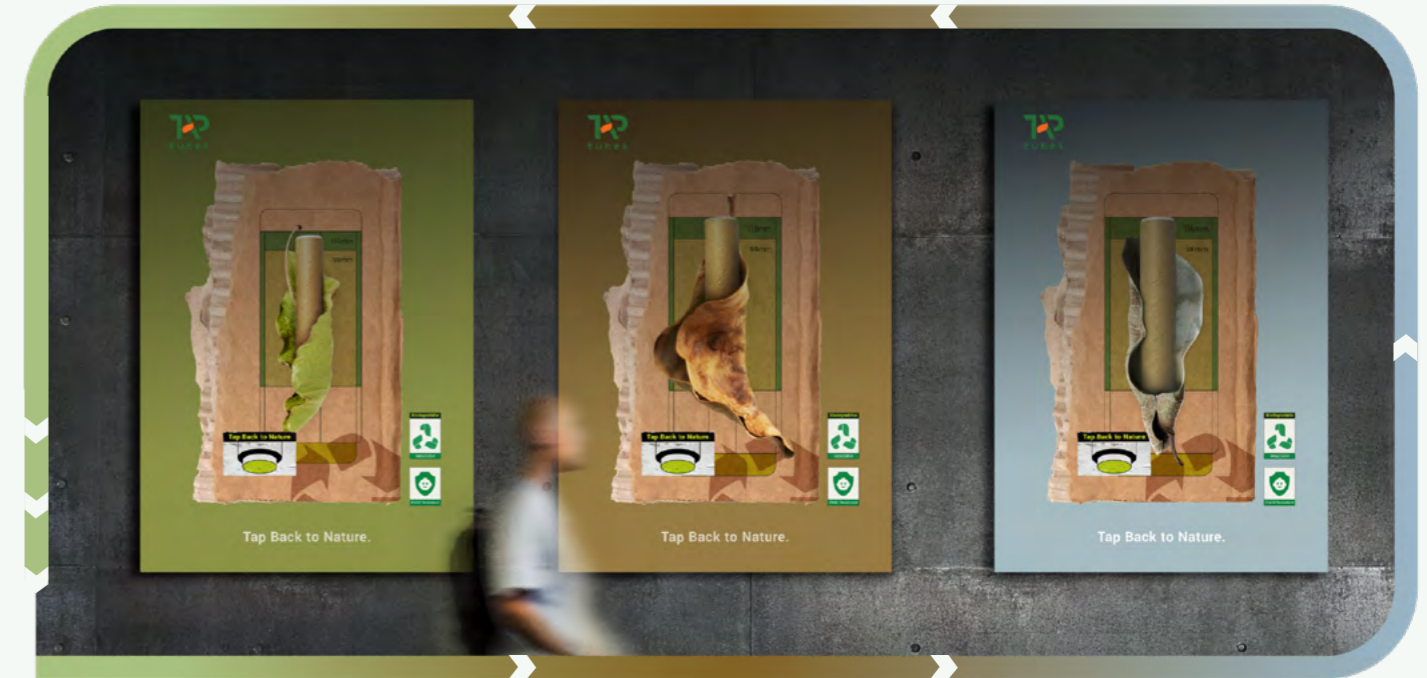
Twin-tube Construction

| CHILD RESISTANT CERTIFIED

FUNCTIONAL DESIGN

TAP To Open, TAP To Close

| UNIQUE CLOSURE AND OPENING RESEALING DESIGN CONCEPT



3-4 MONTHS Complete biodegradation

Reference: ecofreek.com

CLOSING THE LOOP:

Pioneering Sustainable Packaging | Redefining Life Cycles of Packaging

TAP tube is naturally biodegradable: like tree leaves, the paper breaks down into cellulose fibers naturally in just a few weeks and can be entirely absorbed by the environment without any impacts on the environment or human health.

TAP Tube's biodegradation signals a new era, as the end of one tube's life gives rise to a sustainable successor, eloquently embodying our unwavering commitment to environmental stewardship.



Sustainable

BIODEGRADABLE



CHILD RESISTANT



Top Choice

PLASTIC TUBE	TAP TUBE	OTHER PAPER TUBE
98mm \$0.12	98mm \$0.22	98mm \$0.89
116mm \$0.13	116mm \$0.24	116mm \$0.89
Recyclable	Biodegradable	Biodegradable
Child Resistant	Child Resistant	Child Resistant

BACK TO NATURE FOR A BETTER TOMORROW

Experience guilt-free packaging with our eco-friendly solution. Once you're done, simply toss it into the fire where it readily combusts and effortlessly degrades, leaving you free from the burden of excess waste.



BECOME A DISTRIBUTOR

Innovation Differentiation

As our distributor, you'll get exclusive access to innovative products not found elsewhere.

This gives you a big edge in the market, attracting customers who want the latest and most cutting-edge offerings.

Flexibility Customization

We team up with startups to make custom packaging solutions that fit each customer's needs.

Offering customizable options helps distributors serve a variety of customers and stay flexible with market changes.

Strategic Partnership

We help distributors grow and build lasting partnerships.

Early partners enjoy perks like exclusive deals or first dibs on new products, helping distributors boost their market presence with us.

OR

Contact Our Distributor





ALASKA EXCLUSIVE DISTRIBUTOR

10289 Nigh Rd Unit #11, Anchorage, Alaska 99515

(907) 929-5838

orders@jkdbrands.com

www.jkdbrands.com

CONTACT US TO BECOME A DISTRIBUTOR IN THE UNITED STATES



1120 Huffman Rd STE 24 PMB 232 Anchorage,

907-600-9468

Info@taptubes.com

www.taptubes.com (Coming soon)



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Relief

TAP BACK TO NATURE

Beide
Compliance Laboratory

CERTIFICATE

BEIDE (SHENZHEN) PRODUCT SERVICE LIMITED

Tel: +86-0755-27454498 , 4006-288-211
E-mail: wdf@szbeide.com
Web: www.szbeide.com

Certificate of Conformity

The Beide (SHENZHEN) PRODUCT SERVICE LIMITED
accredited according to IEC 17025, registered as




confirms hereby, that the package
TapTube

Model.:
TPT-2023001

Company
TapTube LLC
1120 HUFFMAN ROAD, SUITE 24 PMB 232, ANCHORAGE, AK 99515, USA

according to
US 16 CFR § 1700.20

The package obtained the Confirmation of Conformity after a formal test procedure US 16 CFR § 1700.20.
The package can be designated as child-resistant and suitable for adults.

Number of certification: B-S2308B3036
Client ID: CB3473
Date of first certification: 08.08.2023




Martin Wang
Martin Wang
General Manager

Beide (Shenzhen) Product Service Limited
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Beide
Compliance Laboratory

United States of America



The Director

of the United States Patent and Trademark Office has received an application for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 34(a)(1) or (2), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Katherine Kelly Vidal
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

US012103761B1

(12) **United States Patent**
Dyer

(10) Patent No.: US 12,103,761 B1
(45) Date of Patent: Oct. 1, 2024

(54) CIGARETTE PACKAGING CLOSURE

(71) Applicant: Dyer Arctic Consulting, LLC, Anchorage, AK (US)

(72) Inventor: Kelly Dyer, Anchorage, AK (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(56) Field of Classification Search CPC: A24F 1/14; A24F 1/316; A24F 1/300; A24F 1/302; A24F 1/512; A24F 1/0004; A24F 1/28; B65D 85/12; B65D 85/10 (2013.01); 296; 175; 2004/46; 242. See application file for complete search history.

(57) **ABSTRACT**
Disclosed is a child-resistant cigarette packaging closure. The cigarette packaging closure includes an inner tube, an outer tube, and a top cap. The inner tube is configured to removably retain at least one cigarette inside the inner periphery of the inner tube. The inner tube is configured to be slidably positioned inside the outer tube. The top cap is configured to be lifted off the open end of the outer tube when the outer tube slides relative to the inner tube. The cigarette packaging closure is configured to be accessed by a user that is capable of applying sufficient force, thereby ensuring that the child's accessibility of the cigarette(s) placed inside the inner periphery of the inner tube.

19 Claims, 7 Drawing Sheets



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