CODI: Controlled Oil Dispensing Instrument

Applications

CODI is a customizable dispensing mechanical unit with refilling capabilities.

The product can be integrated into personal and domestic applications:

- Scalp care to apply oil/serum over scalp in precise colour with brush.
- Cleaning Equipments
- Cooking Appliances
- Automated Oil Lubrication of Industrial machineries
- CODI with rooter comb which can be used even by astronaut for scalp care.

Inventor

Mr. Sanjeev Kumar Singh
Forestica Booty Pvt Ltd
217, AG Colony, Kadru
Ranchi, Jharkhand

Categories of this invention

- Mechanical Devices
- Instruments
- Contained Process Equipment

Problem Addressed

In general, currently any fluid based product including oils comes in container and need separate dispensing unit to use. The problem is bulk containers result in overflow or cause dripping in user's hand and product wastage.

The CODI comb enables the users to

- ✓ Directly use required oil or other liquid
- ✓ Keep the liquid stored in to ensure easy use
- ✓ Control the oil quantity dispensed

Technology

- An oil flow discharge comb controlled by an on-off switch with a built-in tank in the cavity.
- The comb teeth has built-in ducts which is horizontal to the vertical length of the handle.
- The tips of the comb teeth have roller balls to deliver the oil in a film efficiently without spillage.
- Model Available – Handhold , Customizable

Intellectual Property

Controlled Oil Dispensing Comb
Applicant - Sanjeev Kumar Singh
Indian Patent (Filed) - 201631021588

Trade Mark √ROOTER

Application No. 5039459

Advantages

- Easy to Use
- Compact & Portable
- Non – Electric
- Accurate dispensing
- Can be automated

Potential Value

1. The potential market for automated dispensing machines is growing at a CAGR of 6.9 % from 2021 to 2028.
2. CODI can be integrated into wide range of industrial applications

Reach Us: Dr. Amaresh Panda, Lead- TTO, Mob: +91-9819053408
Dr. Samuel Rout, Manager-TTO, Mob: +91 7735389456
Technology Transfer Office, KIIT-TBI
amaresh@kiitincubator.in, samuel@kiitincubator.in
tto@kiitincubator.in, https://tto.kiitincubator.in