

Title (en)
DISTRIBUTOR OF IRREGULARLY SHAPED CYLINDRICAL PRODUCTS AND THEIR EXTRACTION PROCEDURE

Title (de)
VERTEILER VON UNREGELMÄSSIG GEFORMTEN ZYLINDRISCHEN GEGENSTÄNDEN UND DEREN EXTRAKTIONSVERFAHREN

Title (fr)
DISTRIBUTEUR DE PRODUITS CYLINDRIQUES DE FORME IRRÉGULIÈRE ET LEUR PROCÉDÉ D'EXTRACTION

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Application
EP 17891685 A 20170627

Priority
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Abstract (en)
[origin: WO2018132027A2] The invention relates to a process and a dispenser to be mounted on the wall, for the distribution of individual, non-uniform cylindrical products, similar in shape but irregular, such as cotton buds for ear cleaning, intended for use in a personal bathroom or in public places such as at the hairdresser's and barber's, in medical consulting rooms in polyclinics or hospitals, in public toilets, in hotel or hospital bathrooms or the like. According to the process, when pressing button (7), the pusher / puller is actuated (8) by the spring (9) which compresses and actuates the pusher / puller (8) that pushes the bud from the seat (4) and thus the first product (2.1), will move to the area of channel (5) and in the maximum displacement position of the button (7), the product (2.1) will fall through the channel (5), will slip through the slot (6) and will reach the supports (10) ready to be picked up by the user, and the cycle can be resumed as needed. The assembly of the device for the individual extraction of small products, for the implementation of such a process, is composed of a tank (1) specially built for the form of irregularly shaped cylindrical products (2) and a subassembly (3) which contains at the top a seat (4) for a single product, laterally a channel (5) for the falling of the product, at the bottom a slot (6) for the exit and sliding of the product and a driving system for extracting one product at a time, consisting of an operating button (7), attached to a pusher / puller (8), a spring (9) and the supports (10) for the positioning of the bud extracted. When the button is pressed, one of the products in the tank will descend to the lower area where it can be grasped and used.

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Citation (search report)
• [A] RO 123262 B1 20110429 - POPA SORIN PETRU [RO]
• [A] CH 683145 A5 19940131 - LACREX SA
• [A] WO 9836995 A1 19980827 - UNIV WASHINGTON [US]
• [A] ES 1031517 U 19960116 - ORTIZ NEVADO M ROSARIO [ES]
• [A] EP 0719535 A2 19960703 - ROEKO GMBH & CO [DE]

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