

Title (en)

Portable dispenser for packaging and dispensing colored cosmetic products

Title (de)

Tragbarer Spender zum Aufbewahren und Ausgeben von gefärbten kosmetischen Produkten

Title (fr)

Distributeur portatif pour le conditionnement et la distribution de produits cosmétiques colorés

Publication

EP 1040773 A1 20001004 (FR)

Application

EP 00400897 A 20000331

Priority

FR 9904152 A 19990402

Abstract (en)

Portable distributor with at least two reservoirs (2, 3) contains different colored products (A, B) operated to allow the products to be distributed in proportions chosen by the user and a mixing chamber (42) in which the products can mix. There is a agitator (11) in the mixing chamber which is operated to allow the user to see the color of the mixture before taking it out. The mixing chamber has at least one transparent wall (8). The agitator has a control shaft and is movable axially along the axis of the shaft as well as in rotation about the shaft. The distributor contains a piston (9) to distribute the product contained in the mixing chamber. The piston is movable relative to the reservoirs. The piston has first and second resting positions which allow it to engage with the agitator after mixing to use the displacement of the agitator to move the piston. The agitator has a pierce disk (12) and the mixing chamber is connected to a distribution nozzle with a valve which opens when the volume in the mixing chamber reduces. The distributor contains a valve which is at least two-way, connecting to the two reservoirs in its two positions. A third position isolates the mixing chambers from the reservoirs. The outlet nozzle valve only opens when the valve is in its third position and the volume in the mixing chamber reduces. Each reservoir contains a piston to send the product to the mixing chamber and the mixing chamber and reservoirs are contained in a box which is at least partially transparent. A cover can be removed to allow the reservoirs to be filled. The pistons in the reservoirs are moved by increasing pressure on one side, using a blower which can exert pressure on all the pistons at the same time.

Abstract (fr)

Distributeur portatif comportant au moins deux réservoirs (2,3) agencés pour permettre de distribuer les produits (A ; B) qu'ils contiennent dans des proportions choisies par l'utilisateur et une chambre de mélange à l'intérieur de laquelle les produits contenus dans les réservoirs sont distribués et peuvent se mélanger. Les produits (A ; B) contenus dans les réservoirs ont des teintes différentes, par le fait qu'il comporte au moins un agitateur (12) mobile dans ladite chambre de mélange (42), et par le fait que cette dernière est agencée pour permettre à l'utilisateur d'observer la teinte du mélange obtenu avant de le prélever. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

US 4893729 A 19900116 - IGGULDEN JERRY R [US], et al

Citation (search report)

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