

Title (en)

A DEVICE FOR MANUFACTURING FROM A SHEET OF PACKAGING MATERIAL MEMBRANES FOR CAPSULES OF A BEVERAGE, SUCH CAPSULES ADAPTED TO CONTAIN AN ANHYDROUS MATERIAL

Title (de)

VORRICHTUNG ZUR HERSTELLUNG, AUSGEHEND VON EINER FOLIE EINES VERPACKUNGSMATERIALS, VON MEMBRANEN FÜR KAPSELN EINES GETRÄNKES, SOLCHE KAPSELN MIT EINEM WASSERFREIEN MATERIAL VERSEHEN

Title (fr)

DISPOSITIF DE FABRICATION À PARTIR D'UNE FEUILLE DE MATÉRIAU D'EMBALLAGE DE MEMBRANES POUR CAPSULES POUR LA PRODUCTION D'UNE BOISSON, LES CAPSULES DESTINÉES À CONTENIR UNE MATIÈRE ANHYDRE,

Publication

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Application

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Abstract (en)

[origin: EP3854551A1] The invention refers to a device (1, 1') for manufacturing membranes (2) for capsules (3) adapted to contain an anhydrous material for the production of a beverage starting from a sheet (4) of packaging material, the device (1, 1') comprises: a base body (8) having a first longitudinal axis (B) and including a supporting base (10) and a raised portion (11) extending coaxially from the supporting base (10) up to an axial end surface (12) thereof and configured to receive on said axial surface (12) the sheet (4); a cutting body (13) including a main portion (14) having a second longitudinal axis (C) and a peripheral portion (15) extending coaxially from the main portion (14); a cutting tooth (16, 16') having a closed-line endless profile and carried coaxially by one of said raised portion (11) and main portion (14); and a groove (17, 17') having a closed-line endless profile and carried coaxially by the other of said raised portion (11) and main portion (14); the cutting body (13) can be coupled, releasably, to said base body (8) so that the peripheral portion (15) at least partially accommodates the raised portion (11) and so that the cutting tooth (16, 16') engages the groove (17, 17') to determine a cut of the packaging material; the raised portion (11) comprises a first frustoconical portion (18) extending from the supporting base (10) coaxially to the first axis (B); the peripheral portion (15) comprises a second frustoconical portion (19) extending from the main portion (14) coaxially to the second axis (C); the first (18) and second (19) frustoconical portions are configured to slidably cooperate with one another during the coupling to determine a centring of the first axis (B) with the second axis (C).

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