

Title (en)

METHOD AND APPARATUS FOR MANUFACTURING FILTER RODS OF TOBACCO INDUSTRY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON FILTERSTÄBEN DER TABAKINDUSTRIE

Title (fr)

PROCÉDÉ ET APPAREIL DE FABRICATION DE TIGES DE FILTRE DE L'INDUSTRIE DU TABAC

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Application

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Abstract (en)

[origin: WO2023007361A1] The object of the invention is an apparatus for manufacturing filter rods (1) of tobacco industry from a continuous filter rod (CR) containing a repeated sequence of elongated objects (2) and spherical objects (3), comprising a preparation assembly (11) for preparing a strand of filter material (F), a forming assembly (12) for forming a continuous filter rod (CR) from at least one strand of filter material, a wrapping material feeding assembly (19) for feeding a wrapping material (P), a spherical object feeding assembly (14) for feeding spherical objects (3) to a positioning unit (15) along a first movement path (R3), an elongated object feeding assembly (13) for feeding elongated objects (2) to a positioning assembly (15) along a second movement path (R2), a positioning assembly (15) for forming and moving a combined stream (S) of spherical objects (3) and elongated objects (2) along a third movement path with a repeated sequence of spherical objects (3) and elongated objects (2) and placing the formed combined stream (S) in the continuous filter rod (CR) being formed, a cutting head (17) for cutting the formed continuous filter rod (CR), containing filter fibers, spherical objects (3) and elongated objects (2), into individual filter rods (1), wherein the individual filter rod (1) contains a sequence of spherical objects (3) and elongated objects (2).

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