

Title (en)
MANUFACTURING MACHINE AND MANUFACTURING METHOD FOR THE PRODUCTION OF DISPOSABLE CARTRIDGES

Title (de)
VERPACKUNGSMASCHINE UND VERPACKUNGSVERFAHREN ZUR HERSTELLUNG VON EINWEGKARTUSCHEN

Title (fr)
MACHINE ET PROCEDE D'EMBALLAGE POUR LA PRODUCTION DE CARTOUCHES JETABLES

Publication
EP 3821732 B1 20240207 (EN)

Application
EP 20208489 A 20201118

Priority
IT 201900021378 A 20191118

Abstract (en)
[origin: EP3821732A1] A manufacturing machine (9) and manufacturing method for the production of disposable cartridges (1). Each disposable cartridge (1) has a tubular casing (2) provided with a wall (6) and a quantity (4) of product housed in the tubular casing (2). The following are provided: a manufacturing conveyor (14) which supports at least one group (16) of seats (17) each designed to house a corresponding tubular casing (2); and a feeding unit (21) which is designed to couple a plurality of walls (6) to respective tubular casings (2) housed in the group (16) of seats (17) standing still in a feeding station (S4). The feeding unit (21) has: a die (58), which is arranged in the feeding station (S4) and has a plurality of through openings (59) each shaped like a wall (6); a conveyor (60) which is designed to place a plate (61), in which a plurality of walls (6) are obtained, in contact with the die (58); a plurality of cutting punches (63), which are arranged in the feeding station (S4) in alignment with the through openings (59) of the die (58); and an actuator (64), which is designed to move the cutting punches (63) between a rest position, in which the cutting punches (63) are separate from the die (58), and an application position, in which the cutting punches (63) are arranged through the respective through openings (59) of the die (58) until coming in contact with the respective tubular casings (2) housed in the group (16) of seats (17) standing still in the feeding station (S4) so as to rest the walls (6) against the tubular casings (2). (Figure 16)

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