

Title (en)
APPARATUS FOR PACKAGING SLAB-FORM OR CUBOIDAL PRODUCTS

Title (de)
VORRICHTUNG ZUM VERPACKEN VON PLATTENFÖRMIGEN ODER QUADERFÖRMIGEN PRODUKTEN

Title (fr)
APPAREIL PERMETTANT D'EMBALLER DES PRODUITS EN FORME DE PAVÉ OU CUBOÏDES

Publication
EP 4149842 A1 20230322 (DE)

Application
EP 20751527 A 20200804

Priority
EP 2020071914 W 20200804

Abstract (en)
[origin: WO2022028679A1] An apparatus (10) and a method for packaging substantially slab-form or cuboidal products (P), in particular products from the food industry, in particular chocolate bars, in a sheet-form packaging material, comprise the following features: feeding devices (20) for feeding a respective product (P) to a packaging station (12) in a conveying direction (F) in a conveying plane; devices (60) by means of which a blank (Z) of the sheet-form packaging material appropriate for the respectively fed product (P) is provided in the packaging station (12), wherein the blank (Z) of sheet-form packaging material is fed into the packaging station (12) in a direction substantially perpendicular to the conveying direction (F); wherein the feeding devices (20) are designed and arranged such that they convey the product (P) through the packaging station (12) in each case at least to some extent in such a manner that the product (P) is pushed into the blank (Z) of sheet-form packaging material in the conveying direction (F) such that the sheet-form packaging material wraps itself substantially around the product (P); discharging devices (90) for discharging the product (P) from the packaging station (12) in the conveying direction (F), wherein the respective blank (Z) of sheet-form packaging material remains wrapped around the product (P); and retaining devices (40), which are movably designed and arranged such that they move through the packaging station (12) with the product (P) at least to some extent in the conveying direction (F), wherein the respective blank (Z) of sheet-form packaging material wrapped around the product (P) is retained by said retaining devices in a predetermined orientation and arrangement in relation to the respective product (P). The retaining devices (40) here preferably retain the product (P) in a predetermined orientation and arrangement in relation to the conveying plane while the product (P) is being transferred from the feeding devices to the discharging devices (90), wherein the retaining devices (40) are not in contact with the product (P). The retaining devices (40) are preferably arranged laterally alongside the product (P) and have suction devices for subjecting the sheet-form packaging material to a negative pressure, such that the sheet-form packaging material is attached by suction to the retaining devices (40).

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