Claims

1. A device for providing adhesive (1) without an adhesive basin, comprising:
– a conveyor unit (4), having a first conveying means, a first inlet (3) and a first outlet (6) through which an adhesive present at least in part as a solid is conveyed,
– a heating unit (7), having a second inlet (9) and a second outlet (10a), as well as a first heating means for softening and/or liquefying the adhesive,
– and a dosing unit (14) having a dosing inlet (10b), a longitudinal slit (11) as well as a roller (13), wherein the dosing unit (14) is assigned a means for applying a colored substance and/or a dye adjacent to the adhesive layer.

2. The device according to claim 1, characterized in that a first closing device and/or a second closing device are arranged between the conveying and heating unit (4, 7), or respectively between the heating and dosing unit (7, 14), and are each controllable and/or regulatable.

3. The device according to claim 2, characterized in that the closing device is designed as a ball valve (12).

4. The device according to one of the preceding claims, characterized in that the heating unit (7) has a second conveying means.

5. The device according to one of the preceding claims, characterized in that the first heating means is designed as an at least single-stage heating coil (19, 20).

6. The device according to one of the preceding claims, characterized in that the heating means are controllable and/or regulatable, wherein at least one temperature sensor interacts with the control and/or regulating unit.

7. The device according to one of the preceding claims, characterized in that the dosing unit (14) has a means for the longitudinal adjustment (23) of the longitudinal slit (11).

2018047806

8. The device according to one of the preceding claims, characterized in that the dosing unit (14) has a means for adjusting the width of the longitudinal slit (11).

9. The device according to one of the preceding claims, characterized in that the dosing unit (14) has means for closing the longitudinal slit (11).

10. The device according to one of the preceding claims, characterized in that the roller (13) is assigned a means for evening out an adhesive layer placed on the roller.

11. The device according to one of the preceding claims, characterized in that the roller (13) is equipped with means (51) for swinging or pivoting.

12. The device according to one of the preceding claims, characterized in that the first and/or the second conveying means are ~~preferably~~ each designed as a screw or extruder.

13. The device according to one of the preceding claims, characterized in that means for processing and/or providing thermoplastic hot melt adhesive are provided, preferably in the form of polyurethane granules.

14. A method for providing adhesive by using a device according to one of the preceding claims, wherein an adhesive at least partially present as a solid is placed under a conveying pressure in a conveyor unit (4) and conveyed into a heating unit (7) in which the adhesive is softened and/or liquefied under the effect of heat, and is conveyed into a dosing unit (14), wherein the heated and/or liquefied adhesive is deposited on a roller (13) through a longitudinal slit (11), and wherein a means is provided for applying a colored substance and/or a dye adjacent to the adhesive layer.

~~15. A dosing unit (14) for providing adhesive, having a dosing inlet (10b), a longitudinal slit (11), as well as a roller (13).~~

2018047806