Title (en)

Hand labeller.

Title (de)

Handetikettiergerät.

Title (fr)

Dispositif à étiqueter portatif.

Publication

**EP 0045872 A1 19820217 (DE)**

Application

**EP 81105689 A 19810720**

Priority

DE 3030138 A 19800808

Abstract (en)

1. A hand labelling apparatus which in a working cycle imprints and dispenses pressure-sensitive labels (8) adhering to a carrier tape (17), comprising a tape feed mechanism (9, 10, 12, 13, 14, 19, 25, 36) which under the control of an operating lever (2) pivotal between a rest position and a swung-in position draws the carrier tape (17) stepwise about a peel edge at which in each working cycle a pressure-sensitive label (8) on feeding in a forward direction detaches from the carrier tape (17) and moves into a dispensing position, said tape feed mechanism including a forward means (9, 10, 12, 25, 36) provided with a feed roll (25) which is rotatably mounted on a shaft (35) and about which the carrier tape (17) is led for moving the carrier tape (17) in the forward direction by at least one label length when the operating lever (2) returns from the swung-in position to the rest position and a printing mechanism (13) which in each working cycle at a printing zone (16) remote from the peel edge (23) oppositely to the forward direction produces an imprint on a pressure-sensitive label (8), characterized in that the tape feed mechanism (9, 10, 12, 13, 14, 19, 25, 36) includes a return means (9, 10, 12, 13, 14, 19) for the carrier tape movement in the return direction opposite the forward direction through at least a distance which is equal to the distance of the peel edge (23) from the printing zone (16) that the forward means (9, 10, 12, 25, 36) is constructed such that it provides for the carrier tape movement in the forward direction through the same distance plus one label length, that a return stop (32) is provided which renders the return means inoperative after said means has moved the carrier tape (17) through a predetermined distance in the return direction, that the forward means is in connection with the operating lever (2) via a directional ratchet mechanism (38, 39) which for a tape movement in the forward direction holds the forward means coupled to the operating lever (2) and releases said means for the tape movement in the return direction, that the peripheral surface of the feed roll (25) is provided with projections (26) which engage in recesses in the carrier tape (17), that on the shaft (35) of the feed roll (25) a drive wheel (36) driven by the operating lever (2) is mounted freely rotatably, that the directional ratchet (38, 39) comprises a forward pawl (38) rigidly connected to the drive wheel (36) and forward detent teeth (39) disposed on the feed roll (25), that the return means is constructed such that it exerts on the carrier tape (17) in the return direction a limited entraining force which can be overcome by a tape tension exerted in the forward direction on the carrier tape (17), that the return stop (32) is formed by a return detent member (33) and detent teeth (34) on the feed roll (25) which are adapted to be brought into engagement therewith and which on said engagement with the return detent member (33) block the movement of the feed roll (25), that a return pawl (40) is rigidly connected to the drive wheel (36) of the feed roll (25) and is adapted to be brought into engagement with return drive teeth (41) on the feed roll (25), and that the return detent member (33) is held positively in engagement with the detent teeth (34) on the feed roll (25) and on movement of the feed roll (25) can be moved in the return direction over the detent teeth (34) when the drive wheel (36) rotates the feed roll (25) via the engagement between the return pawl (40) and a return drive tooth (41) in the return direction.

Abstract (de)

Die Erfindung bezieht sich auf ein Handetikettiergerät, mit dessen Hilfe auf einem Trägerband (17) haftende Selbstklebeetiketten (8) in einem Arbeitszyklus bedruckt und ausgegeben werden können. Das Gerät enthält eine Transportvorrichtung, die das Trägerband unter der Steuerung durch einen zwischen einer Ruhestellung und einer Arbeitsstellung verschwenkbaren Bedienungshebel (2) schrittweise um eine Spendkante (23) zieht, an der sich in jedem Arbeitszyklus ein Selbstklebeetikett (8) beim Transport in einer Vorlaufrichtung von Trägerband (17) ablöst und in eine Spendstellung gelangt. Ein in dem Gerät enthaltenes Druckwerk erzeugt in jedem Arbeitszyklus an einer von der Spendkante (23) entgegen der Vorlaufrichtung entfernten Druckzone (16) einen Aufdruck auf einem Selbstklebeetikett. Mit Hilfe der Erfindung soll erreicht werden, daß auch bei größerem Abstand zwischen der Spendkante (23) under der Druckzone (16) nach Beendigung eines Arbeitszyklus kein bereits bedrucktes, aber noch nicht gespendetes Selbstklebeetikett (8) im Gerät vorhanden ist Zu diesem Zweck ist vorgesehen, daß die Transportvorrichtung ein vom Bedienungshebel (2) angetriebenes Bandtransportgetriebe (9, 10, 12, 13, 14, 19, 25, 36) aufweist, das das Trägerband (17) bei der Bewegung des Bedienungshebels (2) aus der Ruhestellung in die Arbeitsstellung in der der Vorlaufrichtung entgegengesetzten Rucklaufrichtung um mindestens eine Strecke transportiert, die gleich dem Abstand der Spendkante (23) von der Druckzone (16) ist, und das das Trägerband (17) bei der Rückkehr des Bedienungshebels (2) aus der Arbeitsstellung in die Ruhestellung um die gleiche Strecke zuzüglich einer Etikettlänge in der Vorlaufrichtung transportiert.

IPC 1-7

**B65C 11/02**

IPC 8 full level

**B65C 11/00** (2006.01); **B65C 1/00** (2006.01); **B65C 11/02** (2006.01)

CPC (source: EP)

**B65C 11/0247** (2013.01)

Citation (search report)

- US 3330207 A 19670711 - DE MAN HEIKO T
- US 3926110 A 19751216 - HUBBARD DAVID W, et al

Cited by

US5680782A

Designated contracting state (EPC)

AT BE CH FR GB IT NL SE

DOCDB simple family (publication)

**EP 0045872 A1 19820217**; **EP 0045872 B1 19841107**; AT E10180 T1 19841115; AU 530428 B2 19830714; AU 7313481 A 19820211; BR 8105096 A 19820420; CA 1173801 A 19840904; DE 3030138 A1 19820218; DE 3030138 C2 19850307; JP S5755849 A 19820403; JP S621893 B2 19870116

DOCDB simple family (application)

**EP 81105689 A 19810720**; AT 81105689 T 19810720; AU 7313481 A 19810720; BR 8105096 A 19810807; CA 383479 A 19810807; DE 3030138 A 19800808; JP 12314781 A 19810807