Title (en)

Method and apparatus for making bags from a double layer plastic web

Title (de)

Verfahren und Vorrichtung zur Herstellung von Beuteln aus einer doppellagigen Kunststoffbahn

Title (fr)

Méthode et appareil pour la production de sachets à partir d'une feuille plastique à double couche

Publication

**EP 1228859 A3 20030409 (DE)**

Application

**EP 01128946 A 20011206**

Priority

DE 10104506 A 20010131

Abstract (en)

[origin: EP1228859A2] A bag-making apparatus comprises a welding station along a transport path of a double-layer synthetic resin film web. The welding station has spaced-apart elongated separation-welding bars extending at a right angle to the path and adapted to seam and to separate the bag from the web between the separation welding bars. <??>A bag-making apparatus comprises a first suction belt conveyor (6) receiving a double layer web of synthetic resin film and transporting the web along a transport path. A welding station (5) along the path has ≥ 2 spaced-apart elongated separation-welding beams (7, 8) extending at a right angle to the path and adapted to seam and to separate the bag from the web between the separation welding beams. The separation welding beams extend at a right angle to the path. A second suction belt conveyor is downstream of the welding station and disposed above the first suction belt conveyor for picking up the bags from the first suction belt conveyor. Drives (16) are provided for the first and second suction belt conveyors for stepping the bags and the web along the first suction belt conveyor and the bags with the second suction belt conveyor synchronously with the stepping of the first suction belt conveyor. The first suction belt conveyor extends without interruption over an entire region encompassing the separation welding beam of the welding station. <??>An Independent claim is also included for the method of making plastic bags by advancing a double-layer synthetic resin film web and bags separated from the web stepwise forwardly through the transport path on a first suction belt conveyor; controlling a step length of each advance of the suction belt conveyor so that the step length is equal to a product (n x w) of the number (n) of the separation-welding beams and the width (w) of the bags; picking up the bags from the first suction belt conveyor downstream of the welding station with a second suction belt conveyor disposed above the first suction belt conveyor; and advancing the second suction belt conveyor synchronously with stepping frequency of the first suction belt conveyor.

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] DE 8915722 U1 19910321
- [DA] DE 3922236 A1 19910117 - LEHMACHER & SOHN MASCH [DE]
- [DA] WO 0012300 A1 20000309 - LEMO MASCHB GMBH [DE], et al

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