

Title (en)

Automatic dispenser for plastic bags.

Title (de)

Automatische Entnahmevorrichtung für Plastikbeutel.

Title (fr)

Distributeur automatique de sacs plastiques.

Publication

EP 0232887 A1 19870819 (FR)

Application

EP 87101773 A 19870209

Priority

FR 8601793 A 19860210

Abstract (en)

1. Automatic dispenser for plastic bags (1), which are bundled by means of batch blocks (9) which are partly separated from each bag by means of a tear line (10), which is carried out in such a manner that intermediate pieces remain due to the combination of the batch blocks (9), which offer a certain resistance against being ripped away, such tear line forming the central part of the upper opening (8) of said bags, after being ripped off, said dispenser comprising a holder (31, 51) equipped with a means (15) for attaching or suspending said batches (11) to hocks, and a frame (16, 17; 53) provided with a suitable return-spring means (25, 54) due to which said frame is pressed against the said holder, or also by a respective load, said frame carrying at least one delivering roller (21) which is keyed on a shaft (20) which rotates within the said frame in a position parallel with respect to the tear line (10), having an engaging means (19) disposed upon said roller which completes one full turn each time a bag is dispensed, said roller carrying upon one part of its periphery an engaging means (27) the developed arc length of which corresponds substantially to the contact length (28) between said roller and the first bag up to the tear line (10) of said bag, said engaging arc being coated with a substance which is suitable to develop an engaging force for the first bag under the effect of the applied load, which is higher than the said resistance against ripping up said tear line (10), and on the other hand, a complementary sliding arc (29) is provided, under the effect of which the engaging force applied on the bag is smaller than the said resistance.

Abstract (fr)

Distributeur automatique de sacs plastiques (1) réunis en liasses, caractérisé par le fait qu'il comporte un support (13) muni d'un moyen (15) d'accrochage ou de suspension des attaches de liasses (11) constituées par la réunion des pattes de liaison (9), et un cadre (16, 17) avec un moyen de rappel approprié sollicitant ce cadre en direction du support, ou inversement, sous un effort d'application donné, ce cadre portant au moins un rouleau d'entraînement (21) calé sur un arbre (20) tournonnant dans le cadre parallèlement à la ligne de rupture (10) avec son moyen d'entraînement en rotation sur un tour (19), ce rouleau comportant sur sa périphérie un arc d'entraînement revêtu d'une substance propre à assurer, sous l'effort d'application indiqué, une force d'entraînement du premier sac supérieure à ladite résistance déterminée à l'arrachement de la ligne de rupture (10), et un arc de glissement complémentaire du précédent et pour lequel, dans les mêmes conditions, la force d'entraînement du sac en contact est inférieure à ladite résistance.

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