

Title (en)

Device for the progressive storing of flat objects.

Title (de)

Vorrichtung zur dynamischen Zwischenspeicherung flacher Gegenstände.

Title (fr)

Dispositif de stockage dynamique d'objets plats.

Publication

EP 0111432 A1 19840620 (FR)

Application

EP 83402281 A 19831125

Priority

FR 8220306 A 19821203

Abstract (en)

1. A device for the automatic storage of flat objects, comprising a reference surface, called "floor" (7) of a magazine, between a stationary stacker (1) at one end and a stationary unstacker (10) at the other end, intercalary means (5, 6) with intercalary fingers (13, 14) for retaining objects on edge and in stacks on the floor (7), and drive means (9) coupled to said intercalary means so that said fingers (13, 14) define storing and transfer compartments (8) for transferring stacked objects to the unstacker (10), characterized in that in view of ensuring the transfer of objects from the stacker (1) to the unstacker without interruption of the operation of stacker and unstacker and of creating a dynamic storage upstream of the unstacker (10), an even number of said intercalary means (5, 6) is provided, which are combined in pairs, the means in each pair being defined as rear (5) and front intercalary means (6) attributed to two successive compartments and comprising particular retractable locking means (12) ensuring their selective coupling with said drive means (9), in order to present, at the end of each formed stack, the rear and front intercalary means (5, 6) of one pair in front of the stacker (1), then to separate the means of this pair and to convey only the formed stack towards the unstacker (10) against the compartments (8) of previously formed stacks which are waiting for storage.

Abstract (fr)

L'invention concerne un dispositif de stockage dynamique d'objets plats (3) dans lequel les objets plats sont empilés sur chant par un empileur (1). Ces objets plats sont groupés en paquets (4) d'épaisseur variable dans des casiers (8) mobiles dont la caractéristique principale est d'être fermés à l'avant et à l'arrière par des moyens intercalaires (5 et 6) dont les déplacements sont relativement indépendants l'un de l'autre. Ces moyens avant et arrières sont entraînés par des chaînes distincte en direction d'un dépileur (10). La zone de stockage dynamique est suffisamment grande pour amortir le fonctionnement intermittent du dépileur (10).

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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