

Title (en)
METHOD AND DEVICE FOR THE SUSPENDED TRANSPORT OF OBJECTS ON A TRANSPORT TRACK COMPRISING AN ACCUMULATED STORE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR GEHALTENEN FÖRDERUNG VON GEGENSTÄNDEN AUF EINER FÖRDERSTRECKE MIT PUFFERSPEICHER

Title (fr)
PROCEDE ET DISPOSITIF DE TRANSPORT D'OBJETS A L'ETAT MAINTENU SUR UNE VOIE DE TRANSPORT COMPRENANT UNE RESERVE D'ACCUMULATION

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Application
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Abstract (en)
[origin: WO0204330A1] The invention relates to retaining elements (1), which are equipped for the suspended transport of individual objects (2) that can be displaced independently of one another in at least a limited manner along a section of rail (5) and that maintain a uniform minimum distance between one another, when being pushed along. During transport, the retaining elements accumulate at an accumulation point by means of an accumulation element (16), in such a way that a reserve store (12) is formed upstream of the accumulation point and said elements are then released from the reserve store (12) in a controlled manner. The retaining elements (1) are not released and transported away from the reserve store (12) individually, but in groups (15) of retaining elements. In said groups, (15) the retaining elements (1) advantageously maintain the aforementioned minimum distance between one another. An additional accumulation element (16), which acts at an additional accumulation point upstream of the first accumulation point, is used to form in advance the groups (12) that are to be released in the reserve store (12). In said manner, the formation of groups is integrated into the accumulation operation in the form of a concentration of the process and the stream of groups that is transported away from the accumulated store (12) can be fed, without further modification, to a unit (4), in which groups of objects suspended by retaining elements (1) are processed, for example, stacked and packaged in batches.

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Cited by
EP2921434A1; WO2016139272A1; DE102011080137A1; WO2013017449A1; US8955688B2; US10112783B2; US10703568B2; US9499345B2; EP3800146B1

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