

Title (en)  
SYSTEM AND METHOD FOR DETECTING AND FURTHER PROCESSING THE POSITION OF AT LEAST ONE STORAGE SPACE DEVICE  
MOVING BULK MATERIAL

Title (de)  
SYSTEM UND VERFAHREN ZUR ERFASSUNG UND WEITERVERARBEITUNG DER LAGE MINDESTENS EINES SCHÜTTGUT BEWEGENDEN  
LAGERPLATZGERÄTES

Title (fr)  
SYSTÈME ET PROCÉDÉ DE DÉTECTION ET DE MODIFICATION ULTÉRIEURE DE LA POSITION D'AU MOINS UN APPAREIL  
D'ENTREPOSAGE DÉPLAÇANT UN PRODUIT EN VRAC

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Application  
**EP 13734660 A 20130702**

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Abstract (en)  
[origin: WO2014005692A2] The invention relates to a system which is capable of carrying out a method for detecting and further processing the position of at least one storage space device moving a bulk material. A first storage space device (4) has a gantry having a span width of at least several meters, two gantry legs (19, 20) of which are each supported on a linearly displaceable foot element (2, 3). The system comprises at least one first non-contact distance sensor (1) for measuring a relative distance in the direction between a measuring point located on the first storage space device and a reference point located outside the first storage space device, wherein the first non-contact distance sensor (1) is fitted on one of the two foot elements (2) in order to measure a first relative distance (A1a) between the one foot element (2) and a first fixed reference point (R1). The system further comprises a second non-contact distance sensor (1), which is fitted to the other of the two foot elements (3) in order to measure a second relative distance (A2a) between the other foot element (3) and a second fixed reference point (R2), and an evaluation unit (21, 23), which is designed to use the first and second relative distances (A1a, A2a) to determine a rotation (V) of the first storage space device (4) about a central vertical axis (H), and to pass on the rotation (V) or an item of compensation information used to compensate for the rotation (V) to at least one first control unit (24) for controlling the movement of the foot elements (2, 3).

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