

Title (en)

STORAGE AND RETRIEVAL SYSTEM, HIGH-BAY WAREHOUSE, STORAGE METHOD AND RETRIEVAL METHOD

Title (de)

REGALBEDIENSYSTEM, HOCHREGALLAGER, EINLAGERUNGSVERFAHREN UND AUSLAGERUNGSVERFAHREN

Title (fr)

SYSTÈME TRANSTOCKEUR, ENTREPÔT À RAYONNAGES EN HAUTEUR, PROCÉDÉ DE MISE EN STOCK ET DE SORTIE DU STOCK

Publication

**EP 4373766 A1 20240529 (DE)**

Application

**EP 22710584 A 20220304**

Priority

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Abstract (en)

[origin: WO2022184925A1] The invention relates to a storage and retrieval system (300) for a high-bay warehouse (400) comprising a superordinate control computer (302) having a communication module (304) and at least two self-driving and non-mechanically interlinked gangway vehicles (100) that comprise a control apparatus (102) having a communication apparatus (104), of which at least one of the communication apparatuses (104) is designed to communicate bidirectionally with the communication module (304) of the superordinate control computer (302), wherein the control apparatus (102) of the gangway vehicles (100) is designed to prompt a drive apparatus (106) of the gangway vehicles (100) to drive into or drive out of warehouse gangways (404) of the high-bay warehouse (400), wherein the path covered by the respective gangway vehicle (100) is measured by way of a path measurement apparatus (114) that is in a communication connection with the control apparatus (102), wherein the control apparatus (102) of the gangway vehicles (100) is designed to prompt a lifting apparatus (108) of the gangway vehicles (100) to adjust a load reception means (110; 112) between a raised and a lowered position, and wherein the superordinate control computer (302) is designed to prompt the gangway vehicles (100), on the basis of the data from the path measurement apparatuses (114) fed back thereto by at least one of the control apparatuses (102), to raise, synchronously transport and put down in each case only part of a common loading unit (500.2) at a distance from one another. The invention also relates to a high-bay warehouse (400) and to a storage method and to a retrieval method.

IPC 8 full level

**B65G 1/04** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2022184925A1

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