

Title (en)
TRANSPORT DEVICE FOR TRANSPORTING CONTAINERS

Title (de)
TRANSPORTVORRICHTUNG ZUM TRANSPORTIEREN VON BEHÄLTERN

Title (fr)
DISPOSITIF DE TRANSPORT POUR LE TRANSPORT DE CONTENEURS

Publication
EP 4204342 A1 20230705 (DE)

Application
EP 21762509 A 20210824

Priority

- DE 102020122419 A 20200827
- EP 2021073361 W 20210824

Abstract (en)
[origin: WO2022043311A1] The invention relates to a transport device for transporting containers (2) along a container transport path (S), comprising at least one transport star (1). The transport star (1) has at least one first rotor-like transport element (3) which is oriented on a first horizontal plane and can be rotated about a first vertical star axis (SA1), and a plurality of first container supports (4), each of which is arranged at a first vertical position (h1) and which engage the containers (2) at a first gripping height, are distributed over the circumference of the first transport element (3) about the first star axis (SA1) in order to hold the containers (2) in a suspended manner. At least one first motor drive (7) is provided in order to rotate at least the first rotor-like transport element (3). The invention is characterized in particular in that the transport star (1) additionally has a second rotor-like transport element (5) which is designed to have the same circumference as the first transport element (3), is oriented on a second horizontal plane, and can be rotated about a second vertical star axis (SA2), and a number of container supports (6), each of which is arranged at a second vertical position (h2) and which engage the containers (2) at a second gripping height, are distributed over the circumference of the second transport element (5) in order to hold the containers (2) in a suspended manner. The first and second star axis (SA1, SA2) are offset to each other, and the transport elements (3, 5) partly overlap.

IPC 8 full level
B65G 47/86 (2006.01)

CPC (source: EP)
B65G 47/847 (2013.01); **B65G 2201/0247** (2013.01)

Citation (search report)
See references of WO 2022043311A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020122419 A1 20220303; EP 4204342 A1 20230705; WO 2022043311 A1 20220303

DOCDB simple family (application)
DE 102020122419 A 20200827; EP 2021073361 W 20210824; EP 21762509 A 20210824