Title (en)

SILO, DOCKING STATION THEREFOR AND SYSTEM THEREWITH

Title (de)

SILO, UNTERGESTELL DAFÜR UND SYSTEM DAMIT

Title (fr)

SILO, SUPPORT POUR LEDIT SILO ET SYSTÈME LES COMPRENANT

Publication

EP 4353627 A1 20240417 (EN)

Application

EP 22200997 A 20221012

Priority

EP 22200997 A 20221012

Abstract (en)

A silo (100) for mounting on a docking station (200). The silo comprises a funnel shaped container (110) and a supporting structure (120). When positioned in the upright position, an area of the funnel shaped container (110) decreases with decreasing height towards an outlet, and an upper region (122) of the supporting structure (120) is providing support for the funnel shaped container (110). A lower region of the supporting structure has sloped inner walls (121) wherein a distance between the sloped inner walls increases with decreasing height such that the inner walls (121) of the lower region can slide over the docking station (200) which has an upper region comprising primary walls with a sloped outside surface (251) which matches with the sloped inner walls (121) of the lower region of the supporting structure (120).

IPC 8 full level

B65D 88/30 (2006.01); **B65D 90/62** (2006.01); **B65G 65/40** (2006.01)

CPC (source: EP)

B65D 88/30 (2013.01); **B65D 90/623** (2013.01)

Citation (applicant)

- US 5339996 A 19940823 - DUBBERT PATRICK C [US], et al
- US 10562702 B2 20200218 - HARRIS ROBERT A [US]

Citation (search report)

- [X] US 2006277783 A1 20061214 - GARTON DARWIN [US]
- [XI] US 2022289472 A1 20220915 - CONNORS TRACY L [US], et al
- [XI] FR 2124556 A1 19720922 - ALCOA CONTAINER SYSTEMS
- [XI] GB 1420344 A 19760107 - SIMON BARRON LTD

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 22200997 A 20221012; EP 2023078403 W 20231012