

Title (en)

METAL GANTRY FOR A LIFTING DEVICE FOR TRANSPORTING MATERIALS, APPLICATION PROCESS AND USES THEREOF

Title (de)

METALLGERÜST FÜR EINE HUBVORRICHTUNG ZUM TRANSPORT VON MATERIALIEN, ANWENDUNGSVERFAHREN UND VERWENDUNGEN DAVON

Title (fr)

PORTIQUE MÉTALLIQUE POUR DISPOSITIF ÉLÉVATEUR DE TRANSPORT DE MATÉRIAUX, PROCÉDÉ D'APPLICATION ET SES UTILISATIONS

Publication

**EP 4129886 A1 20230208 (EN)**

Application

**EP 21721598 A 20210322**

Priority

- PT 11621220 A 20200331
- IB 2021052365 W 20210322

Abstract (en)

Metal gantry for supporting a lifting device for transporting materials, comprising: a telescopic structure comprising an outer tube and an inner tube; an arm rotatably connected to the outer tube, for the displacement of the lifting device transverse to the telescopic structure; a nut for threading at the upper end of the outer tube; a shaft to hold the inner tube within the outer tube in said nut; wherein the outer tube comprises a base at the lower end for resting on a floor and a thread at the upper end for said nut; wherein the inner tube comprises a bearing for securing to the ceiling of a slab and a plurality of holes for fitting said shaft and holding the inner tube within the outer tube. In one embodiment, the arm comprises: a rail with a limit stop point on the rail; a trolley to slide in the rail and support the lifting device.

IPC 8 full level

**B66C 23/20** (2006.01); **B66C 23/02** (2006.01)

CPC (source: EP)

**B66C 23/027** (2013.01); **B66C 23/201** (2013.01); **B66C 2700/0385** (2013.01)

Citation (search report)

See references of WO 2021198842A1

Cited by

GB2612887A

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)

**EP 4129886 A1 20230208**; WO 2021198842 A1 20211007

DOCDB simple family (application)

**EP 21721598 A 20210322**; IB 2021052365 W 20210322