

Title (en)

Apparatus and method for the handling of plates

Title (de)

Vorrichtung und Verfahren zur Handhabung von Platten

Title (fr)

Appareil et procédé pour la manutention des plaques

Publication

**EP 2354364 A3 20120118 (EN)**

Application

**EP 11000776 A 20110201**

Priority

BE 201000064 A 20100205

Abstract (en)

[origin: EP2354364A2] The invention concerns an apparatus (1) and a method for the handling of plates or sheets (2) on a surface (3). The apparatus includes a moveable loading platform (6) for the plates, which platform is moveable by driving means (8) for the plates. The platform is carried by a vertical suspension beam (5). Upon the suspension beam (5) a first carrying arm (16) is mounted perpendicularly to the beam. The said arm (16) is surrounded by an element (26) and has a fixed connection to the loading platform (6). First control means (22) allow the required rotation at an angle A of the element (26) with the loading platform (6) around the first carrying arm. The suspension beam has a second carrying arm (17) mounted crosswise to this beam (5). Its free top end (19) can be connected to a hook (20) of a hoist cable (4) as part of a hoisting device.

IPC 8 full level

**E04D 15/02** (2006.01); **B66C 1/24** (2006.01); **E04D 15/00** (2006.01); **E04D 15/04** (2006.01)

CPC (source: EP)

**B66C 1/26** (2013.01); **E04D 15/003** (2013.01); **E04D 15/04** (2013.01)

Citation (search report)

- [XY] FR 2768708 A1 19990326 - SOC D ETABLISSEMENTS THEVENON [FR]
- [Y] US 1564652 A 19251208 - WALLACE WILLIAM W
- [XY] DE 20308664 U1 20041007 - KINSHOFER GREIFTECHNIK GMBH & [DE], et al
- [Y] DE 7116993 U
- [Y] US 6095015 A 20000801 - PHELAN JAMES P [US]
- [A] DE 8814900 U1 19890202

Cited by

CN113979368A; CN107366393A; CN103590547A; EP3002385A1; JP2017002497A; DE102016101714A1; NL2024081B1; WO2021080424A1

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

DOCDB simple family (publication)

**EP 2354364 A2 20110810; EP 2354364 A3 20120118; EP 2354364 B1 20191016; BE 1019077 A3 20120207**

DOCDB simple family (application)

**EP 11000776 A 20110201; BE 201000064 A 20100205**