

Title (en)
Material handling machine

Title (de)
Materialumschlaggerät

Title (fr)
Appareil modulaire de manipulation de matériaux

Publication
EP 1329414 B1 20050330 (DE)

Application
EP 03000803 A 20030114

Priority
DE 10201673 A 20020117

Abstract (en)
[origin: EP1329414A1] Material loading device comprises a chassis, and a rotating platform (12) connected to the chassis via a rotating ring. An extension arm (14) is pivotally hinged on the rotating platform via at least one lifting cylinder (24). At least one additional hinge point for the extension arm is provided on the rotating platform and/or on the extension arm foot so that the hinge point of the extension arm can be changed. At least one additional hinge point is provided in the extension arm or in a hinge plate (30) on the extension arm so that the hinge point of the lifting cylinder can be changed. Preferred Features: The hinge points are boreholes (22, 26, 28) provided in the rotating platform or in the extension arm foot. The extension arm is pivotally fixed via bolts in the boreholes.

IPC 1-7
B66C 23/82

IPC 8 full level
B66C 23/68 (2006.01); **B66C 23/82** (2006.01)

CPC (source: EP US)
B66C 23/68 (2013.01 - EP US); **B66C 23/82** (2013.01 - EP US); **E02F 3/302** (2013.01 - EP US); **E02F 3/425** (2013.01 - EP US)

Cited by
CN103010979A; DE202008013896U1; CN106794972A; US8177017B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1329414 A1 20030723; **EP 1329414 B1 20050330**; DE 10201673 A1 20030807; DE 10201673 B4 20080417; US 2003234233 A1 20031225; US 7163112 B2 20070116

DOCDB simple family (application)
EP 03000803 A 20030114; DE 10201673 A 20020117; US 34701103 A 20030117