

Title (en)
Mobile harbour crane for the combined transfer of containers and bulk material

Title (de)
Hafenmobilkran zum kombinierten Container- und Schüttgutumschlag

Title (fr)
Grue mobile de port pour le transfer combiné de containers et de matière en vrac

Publication
EP 1157959 A3 20040225 (DE)

Application
EP 01250013 A 20010109

Priority
DE 10009736 A 20000223

Abstract (en)
[origin: US2001052507A1] A mobile harbor crane for the combined handling of containers and bulk materials, having an undercarriage and an upper carriage which is mounted rotatably on the base frame of the undercarriage and on which a tower with a boom that can be pivoted about a horizontal axis is arranged. Four support beams are connected pivotally to a base frame of the undercarriage, symmetrically to the longitudinal and transverse axes of the vehicle, in such a way that they can each be pivoted about vertical axes, they are provided at their free ends with vertically acting leveling cylinders, by means of which the support beams are supported on the wheels of a plurality of traveling gear assemblies via balancers for uniform distribution of the supporting forces.

IPC 1-7
B66C 9/12; **B66C 23/62**

IPC 8 full level
B66C 9/12 (2006.01); **B66C 23/62** (2006.01)

CPC (source: EP US)
B66C 9/12 (2013.01 - EP US); **B66C 23/62** (2013.01 - EP US)

Citation (search report)

- [XY] US 4200162 A 19800429 - TAX HANS [DE]
- [Y] US 3792745 A 19740219 - FILES T
- [A] EP 0118608 A1 19840919 - KRUPP POLYSIUS AG [DE]

Cited by
CN108341354A; CN103342282A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2001052507 A1 20011220; **US 6564955 B2 20030520**; AT E305436 T1 20051015; DE 10009736 A1 20010913; DE 10009736 B4 20040415; DE 50107540 D1 20060209; DK 1157959 T3 20060213; EP 1157959 A2 20011128; EP 1157959 A3 20040225; EP 1157959 B1 20050928; ES 2250299 T3 20060416

DOCDB simple family (application)
US 79036601 A 20010222; AT 01250013 T 20010109; DE 10009736 A 20000223; DE 50107540 T 20010109; DK 01250013 T 20010109; EP 01250013 A 20010109; ES 01250013 T 20010109