

Title (en)  
MULTI-TROLLEY CONTAINER CRANE

Title (de)  
MEHRKATZCONTAINERKRAN

Title (fr)  
PORTIQUE A CONTENEURS MULTI-CHARIOTS

Publication  
**EP 1606210 A2 20051221 (DE)**

Application  
**EP 04722220 A 20040322**

Priority  
• DE 2004000583 W 20040322  
• DE 10313769 A 20030322

Abstract (en)  
[origin: WO2004083097A2] The invention relates to a multi-trolley container crane, comprising at least two superimposed trolley tracks (6, 7), on which trollies (8) with running wheels, drive devices and lifting gears run. The invention is characterised in that the trollies (8) on the tracks (6, 7) comprise laterally extending and retracting running wheels (20) and an integrated raising system (21, 22, 24 25, 26), by means of which said trollies support themselves on or near to the tracks (6, 7) and hence can transfer from the lower to the upper track (6, 7) and vice versa. The invention is suitable for the rapid loading and unloading of container ships where several containers must be loaded or unloaded simultaneously.

IPC 1-7  
**B66C 1/00**

IPC 8 full level  
**B66C 19/00** (2006.01)

CPC (source: EP KR US)  
**B66C 19/00** (2013.01 - KR); **B66C 19/002** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004083097A2

Cited by  
WO2012076001A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004083097 A2 20040930; WO 2004083097 A3 20050217**; AT E353312 T1 20070215; CN 100345746 C 20071031; CN 1764593 A 20060426; DE 10313769 A1 20041014; DE 10313769 B4 20051006; DE 112004000949 D2 20060216; DE 502004002860 D1 20070322; EP 1606210 A2 20051221; EP 1606210 B1 20070207; JP 2006521260 A 20060921; KR 100661703 B1 20061226; KR 20050120646 A 20051222; US 2006182526 A1 20060817; US 7455492 B2 20081125

DOCDB simple family (application)  
**DE 2004000583 W 20040322**; AT 04722220 T 20040322; CN 200480007783 A 20040322; DE 10313769 A 20030322; DE 112004000949 T 20040322; DE 502004002860 T 20040322; EP 04722220 A 20040322; JP 2006504269 A 20040322; KR 20057017373 A 20050916; US 55058805 A 20051019