

Title (en)  
MODULAR COUNTERWEIGHT CARRIAGE FOR CRANES, IN PARTICULAR FOR LARGE CRANES

Title (de)  
MODULARER GEGENGEWICHTSWAGEN FÜR KRANE, INSBESONDERE FÜR GROSSKRANE

Title (fr)  
CHARIOT D'EQUILIBRAGE MODULAIRE POUR GRUES, NOTAMMENT POUR GRANDES GRUES

Publication  
**EP 1934129 B1 20090617 (DE)**

Application  
**EP 06805447 A 20061013**

Priority  
• DE 2006001844 W 20061013  
• DE 102005055693 A 20051117  
• DE 102006010488 A 20060301

Abstract (en)  
[origin: US2009272708A1] A large mobile crane includes a revolving superstructure, a main boom hinged to the superstructure, and a derrick boom hinged to the superstructure. A modular counterweight system includes a traveling counterweight and a non-traveling counterweight connected to a crossbeam suspended from the distal end of the derrick boom so that the non-traveling counterweight is activated before the traveling counterweight.

IPC 8 full level  
**B66C 23/76** (2006.01)

CPC (source: EP US)  
**B66C 23/74** (2013.01 - EP US)

Cited by  
DE102014012661A1; DE102014012661B4; US10124993B2; WO2021179668A1; US10183848B2; US10336589B2; US11884522B2; US10179722B2; US10457530B2; US11208303B2; US11261064B2

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

DOCDB simple family (publication)  
**US 2009272708 A1 20091105; US 8162160 B2 20120424**; AT E433944 T1 20090715; CN 101309850 A 20081119; CN 101309850 B 20110209; DE 102006010488 A1 20070524; DE 502006004025 D1 20090730; EP 1934129 A1 20080625; EP 1934129 B1 20090617; WO 2007056970 A1 20070524

DOCDB simple family (application)  
**US 8512706 A 20061013**; AT 06805447 T 20061013; CN 200680042302 A 20061013; DE 102006010488 A 20060301; DE 2006001844 W 20061013; DE 502006004025 T 20061013; EP 06805447 A 20061013