

Title (en)

Variable reach crane jib with automatic counterbalancing device

Title (de)

Verstellbarer Kranausleger mit selbsttätiger Gewichtsausgleichsvorrichtung

Title (fr)

Flèche de grue à portée variable et à équilibrage automatique

Publication

EP 1103512 B1 20040922 (FR)

Application

EP 00403274 A 20001123

Priority

FR 9914819 A 19991125

Abstract (en)

[origin: EP1103512A1] The crane boom has a main arm (3) pivoting on a rotary head (1) and an additional arm (7) extending from the main arm and pivoted at its front end. A counter-weight (14) is articulated to the rear of the main arm. The additional arm and counterweight balancer are connected by a pulley system (10,10') at the front end of the main arm and a second pulley system (28,28') at the rear of the main arm. The pulley systems are connected by a cable which is controlled by a hydraulic cylinder.

IPC 1-7

B66C 23/72

IPC 8 full level

B66C 23/70 (2006.01); **B66C 23/72** (2006.01)

CPC (source: EP US)

B66C 23/72 (2013.01 - EP US)

Cited by

CN104310237A; CN106744454A; CN114538307A; CN105600690A; CN109678070A

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)

EP 1103512 A1 20010530; EP 1103512 B1 20040922; AT E276965 T1 20041015; DE 60014008 D1 20041028; DE 60014008 T2 20050908; ES 2225054 T3 20050316; FR 2801576 A1 20010601; FR 2801576 B1 20020104; JP 2001180888 A 20010703; JP 3792503 B2 20060705; US 6494330 B1 20021217

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