

Title (en)

Method and device for the control of the load for a crane with foldable boom

Title (de)

Verfahren und Vorrichtung zur Steuerung der Last eines Drehkranes mit ausklappbarem Ausleger

Title (fr)

Procédé et dispositif de contrôle de la charge d'une grue à tour à flèche relevable

Publication

**EP 1775252 A1 20070418 (FR)**

Application

**EP 06356068 A 20060614**

Priority

FR 0508253 A 20050802

Abstract (en)

The method involves alternatively using two separated load curves (B, C) depending on the radius (P) of a luffing jib tower crane as a result of the position of a jib of the crane. The curve (B) is used between the minimum radius (P<sub>m</sub>) and an intermediate radius (P<sub>O</sub>). The curve (C) is used between the intermediate radius and the maximum radius (P<sub>M</sub>) corresponding to a greater load moment. The curve (C) is obtained by homothetic transformation of the curve (B). An independent claim is also included for a device for controlling the load of a luffing jib tower crane.

IPC 8 full level

**B66C 23/90** (2006.01)

CPC (source: EP)

**B66C 23/905** (2013.01)

Citation (applicant)

- US 5263597 A 19931123 - STEWART JAMES T [US], et al
- US 4039084 A 19770802 - SHINOHARA SHINITSU, et al

Citation (search report)

- [A] US 5263597 A 19931123 - STEWART JAMES T [US], et al
- [A] US 4039084 A 19770802 - SHINOHARA SHINITSU, et al
- [A] US 4211332 A 19800708 - PITMAN RAYMOND F [US]
- [A] EP 1312579 A2 20030521 - INGERSOLL RAND CO [US]

Cited by

FR3037681A1; KR20180019537A; CN102167259A; EP4116251A1; FR3125032A1; US1199598B2; US11148914B2; WO2016203165A1

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DOCDB simple family (publication)

**FR 2889513 A1 20070209; FR 2889513 B1 20070921**; AU 2006203257 A1 20070222; AU 2006203257 B2 20110519; CN 1907836 A 20070207; CN 1907836 B 20100512; EP 1775252 A1 20070418; EP 1775252 B1 20110907; ES 2373052 T3 20120131; MY 141274 A 20100416

DOCDB simple family (application)

**FR 0508253 A 20050802**; AU 2006203257 A 20060801; CN 200610103795 A 20060801; EP 06356068 A 20060614; ES 06356068 T 20060614; MY PI20063618 A 20060727