

Title (en)

CRANE, ESPECIALLY A SELF-PROPELLED CRANE

Title (de)

KRAN, INSBESONDERE FAHRZEUGKRAN

Title (fr)

GRUE, NOTAMMENT GRUE AUTOMOTRICE

Publication

**EP 1135322 B1 20030709 (DE)**

Application

**EP 99963282 A 19991129**

Priority

- DE 9903880 W 19991129
- DE 19857779 A 19981204

Abstract (en)

[origin: US6568547B1] A crane, especially a self-propelled crane, with a base structure and a revolving superstructure mounted thereon, a boom and a mast being hinged to the superstructure. The tip of the mast is connected on one side via adjustable-length guying to the head of the boom and on the other side via guying to a counterweight. The crane is not provided with a separate superstructure counterweight. The distance between the counterweight and the superstructure of the crane is continuously variable within a fixed range by a frame element, which can move in the vertical place, is mounted on the superstructure, and is connected thereto in a gravity-actuated (nonpositive) manner. The frame element is connected to an apparatus for directing the resultant of the force of the counterweight acting in the direction of gravity and the guying force produced by the suspended load into the superstructure.

IPC 1-7

**B66C 23/76**

IPC 8 full level

**B66C 23/36** (2006.01); **B66C 23/76** (2006.01)

CPC (source: EP US)

**B66C 23/76** (2013.01 - EP US)

Cited by

US10870810B2; DE202014007894U1; DE102015008651A1; US9890020B2; DE102015008651B4; US10336589B2; US11884522B2; US10183848B2; US10179722B2; US10457530B2; US11208303B2; US11261064B2

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**US 6568547 B1 20030527**; AT E244677 T1 20030715; AU 1964700 A 20000626; DE 19857779 A1 20000615; DE 59906276 D1 20030814; EP 1135322 A1 20010926; EP 1135322 B1 20030709; JP 2002531357 A 20020924; JP 4454861 B2 20100421; WO 0034173 A1 20000615

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