

Title (en)

TOWER CRANE AND TIE ROD STRUCTURE of balance boom THEREOF, AND method for MOUNTING tie rod structure of balance boom

Title (de)

TURMKRAN UND BALANCEBÜGEL-ZUGANKERSTRUKTUR DAFÜR SOWIE MONTAGEVERFAHREN FÜR DIE STRUKTUR

Title (fr)

GRUE DISTRIBUTRICE À TOUR ET SA STRUCTURE DE TIGE DE TENSION DE BRAS D'ÉQUILIBRAGE ET PROCÉDÉ DE MONTAGE POUR LA STRUCTURE

Publication

**EP 2639196 B1 20150527 (EN)**

Application

**EP 11831984 A 20110623**

Priority

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- CN 2011076236 W 20110623

Abstract (en)

[origin: EP2639196A1] The disclosure discloses a tower crane and a tie rod structure of a balance boom thereof, and a method for mounting the tie rod structure of the balance boom. The tie rod structure of the balance boom comprises two tie rods intersected with each other at a certain angle , each of the tie rods has a first end connected with a balance boom of the crane and a second end connected with a tower head of the crane, and the distance between the first ends of the two tie rods is greater than that between the second ends; an adapting member which is arranged at the second ends of the two tie rods and the second end of each of the tie rods is connected to the adapting member; and two separate first connecting members, wherein each of the first connecting members has a first end connected with the adapting member and a second end connected with the tower head of the crane by a first pin shaft. The mounting method adopts the tie rod structure of the balance boom mentioned above. The tie rod structure of the balance boom is stressed stably and rationally and safe and fast to mount.

IPC 8 full level

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CPC (source: EP)

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Cited by

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