

Title (en)

BOOM STORING AND EXTENDING DEVICE FOR CRANE

Title (de)

VORRICHTUNG ZUM STRECKEN UND ZUSAMMENLEGEN EINES KRANAUSLEGERS

Title (fr)

DISPOSITIF DE REPLOIEMENT ET DE DEPLOIEMENT DE FLECHE DESTINE A UNE GRUE

Publication

**EP 0812797 A4 20000315 (EN)**

Application

**EP 95910728 A 19950302**

Priority

- JP 31841593 A 19931217
- JP 9500335 W 19950302

Abstract (en)

[origin: EP0812797A1] A device for improving safety during operations of storing or extending a boom of a crane. A corresponding relationship between a boom hoisting angle ( $\theta$ ) and a length of rope (s) is beforehand set when an attitude of a boom (4) shifts from a working attitude (A) to a working attitude (B). Means (14) for detecting a boom hoisting angle detects a current boom hoisting angle ( $\theta$ ), and means (18) for detecting a current length of rope detects a length of rope (s). On the basis of the current boom hoisting angle detected by the boom hoisting angle detecting means (14), and the current length of rope (s) detected by the rope length detecting means (18), a boom drive device and a winch drive device are drivingly controlled so that a boom hoisting angle and a length of rope are equal to the set boom hoisting angle ( $\theta_p$ ) and a length of rope (sp), respectively. <IMAGE>

IPC 1-7

**B66C 23/00**; **B66C 23/26**; **B66C 23/82**; **B66C 23/88**; **B66C 13/20**

IPC 8 full level

**B66C 23/06** (2006.01); **B66C 23/82** (2006.01); **B66C 23/88** (2006.01)

CPC (source: EP)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 9626883A1

Cited by

EP0921093A3; CN107572378A; EP3763662A4; US6473715B1; US11434112B2; EP3988492A4

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