

Title (en)

Boom and sliding support member for the boom

Title (de)

Ausleger und Schiebehilfsmittel für einen Ausleger

Title (fr)

Flèche et élément de support coulissant pour la flèche

Publication

EP 2261166 A1 20101215 (EN)

Application

EP 10164702 A 20100602

Priority

JP 2009137768 A 20090609

Abstract (en)

A curved band-shape pad holder (12) made of synthetic resin is attached to an inner peripheral surface of a lower portion of a first-step boom member (1) serving as an outer boom member. Pads (13) made of a different synthetic resin material from the pad holder (12) are fitted into a plurality of concave portions (16) provided on an upper surface of this pad holder (12). In the pad holder (12), bending grooves (14) are provided on the upper surface and auxiliary bending grooves (15) are provided on a lower surface in parts between the concave portions (16) as means for helping the bending into a curved shape. With this pad holder (12) placed along the inner peripheral surface of the first-step boom member (1), a position of the pad holder is fixed in the boom circumferential direction and in the length direction by holder fixing means (17,18,19), and attached; thereby the assembling workability and the fitting property of the pads relative to the outer boom member are improved.

IPC 8 full level

B66C 23/70 (2006.01)

CPC (source: EP)

B66C 23/707 (2013.01)

Citation (applicant)

- JP 2005255337 A 20050922 - TADANO LTD
- JP 2008265980 A 20081106 - TADANO LTD

Citation (search report)

- [AD] JP 2005255337 A 20050922 - TADANO LTD
- [AD] JP 2008265980 A 20081106 - TADANO LTD
- [A] US 6499612 B1 20021231 - HARRINGTON DANIEL L [US], et al
- [A] EP 1515056 A1 20050316 - PALFINGER AG [AT]
- [A] US 2003205547 A1 20031106 - DUPRE HENRI R M [FR], et al
- [A] JP S4936369 U 19740330
- [E] JP 2010155687 A 20100715 - KOBELCO CRANES CO LTD, et al

Cited by

CN111498758A; CN103241664A; DE102019106569A1; DE102019106569B4; US11629021B2; US12024398B2

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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