



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
27.10.2010 Bulletin 2010/43

(51) Int Cl.:
B66C 23/70 (2006.01)

(43) Date of publication A2:
22.10.2008 Bulletin 2008/43

(21) Application number: **08152244.3**

(22) Date of filing: **04.03.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA MK RS

(30) Priority: **18.04.2007 JP 2007109488**

(71) Applicant: **Kobelco Cranes Co., Ltd. Tokyo (JP)**

(72) Inventors:
• **Koizumi, Yukio**
c/o Okubo Plant in Kobelco Cranes Co., Ltd. Akashi-shi, Hyogo 674-0063 (JP)
• **Sato, Hirohito**
c/o Okubo Plant in Kobelco Cranes Co., Ltd. Akashi-shi, Hyogo 674-0063 (JP)

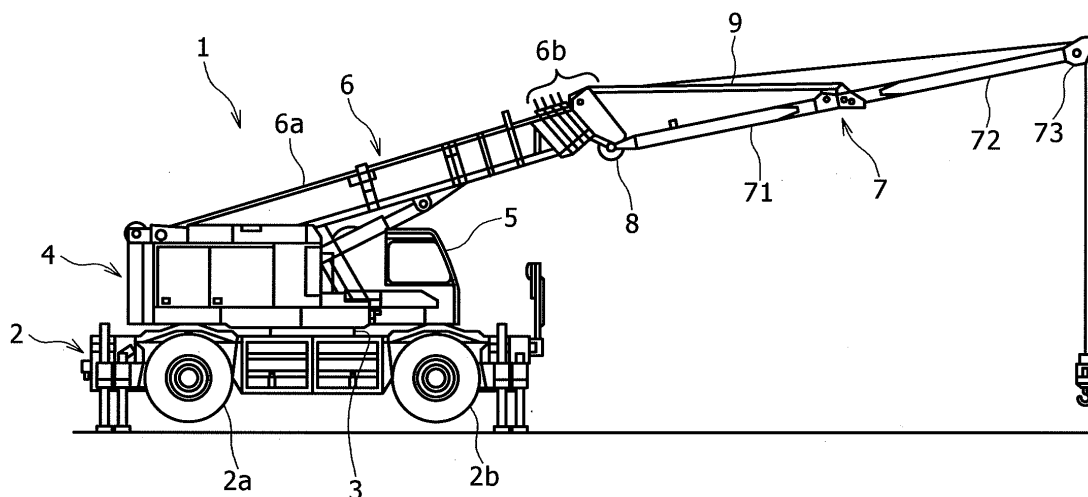
(74) Representative: **TBK-Patent Bavariaring 4-6 80336 München (DE)**

(54) **Sliding pad for a jib**

(57) An extendable and stowable jib (7) according to the present invention comprises a plurality of jib structures (71, 72 and 73) telescopically inserted into each other. A sliding pad (10) sliding on an inner surface (72i) of an outer jib structure (72) is attached to the base end portion of an inner jib structure (73). The inner jib structure (73) is provided with a supporting member (23) protruding

towards the inner surface (72i) of the outer jib structure (72). The sliding pad (10) is connected to the supporting member (23) so as to restrict movement in the perpendicular direction to the protruding direction of the supporting member (23). The present invention can prevent from damaging the jib structure due to a screw and drop-off of the sliding pad. The present invention does not lower strength of the jib structure.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 08 15 2244

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JP 07 035484 U (N/A) 4 July 1995 (1995-07-04)	1-6	INV. B66C23/70
A	* figures 1-5 *	7-10	
X	GB 2 136 391 A (HARNISCHFEGGER CORP) 19 September 1984 (1984-09-19)	1-6	
A	* abstract; figure 16 *	7-10	
X	US 5 865 328 A (KASPAR ERNST [DE]) 2 February 1999 (1999-02-02)	1-3,7	
A	* abstract; figure 5 * * column 2, line 10 - column 3, line 5 *	4-6,8-10	
A	US 4 759 452 A (FAINT RICHARD C [US] ET AL) 26 July 1988 (1988-07-26)	1-10	TECHNICAL FIELDS SEARCHED (IPC) B66C
	* abstract; figures 2,3 *		
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 16 September 2010	Examiner Faymann, L
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

1
EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 15 2244

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-09-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 07035484	U	04-07-1995	NONE	

GB 2136391	A	19-09-1984	AR 224305 A1	13-11-1981
			AU 537841 B2	12-07-1984
			AU 6968581 A	29-10-1981
			BR 8102418 A	29-12-1981
			CA 1143700 A1	29-03-1983
			DE 3116239 A1	25-02-1982
			ES 8300633 A1	01-02-1983
			FR 2481248 A1	30-10-1981
			GB 2074982 A	11-11-1981
			GB 2136390 A	19-09-1984
			JP 56165689 A	19-12-1981
			MX 152260 A	14-06-1985
			US 4337601 A	06-07-1982

US 5865328	A	02-02-1999	NONE	

US 4759452	A	26-07-1988	NONE	
