

Title (en)

CONNECTING UNIT AND HYDRAULIC CRANE COMPRISING SUCH A CONNECTING UNIT

Title (de)

VERBINDUNGSEINHEIT UND HYDRAULISCHER KRAN MIT SOLCH EINER VERBINDUNGSEINHEIT

Title (fr)

UNITÉ DE CONNEXION ET GRUE HYDRAULIQUE COMPRENANT UNE TELLE UNITÉ DE CONNEXION

Publication

EP 3656723 A1 20200527 (EN)

Application

EP 18207620 A 20181121

Priority

EP 18207620 A 20181121

Abstract (en)

A connecting unit (1) for detachable mounting to the tip of a crane boom in order to form a connection between the crane boom and an associated crane implement (4). The connecting unit comprises:- an insertion part (10) to be inserted into a hollow crane boom section;- a holding part (11), which is fixed to the insertion part and forms a support for the crane implement;- one or more supporting elements (12a, 12b), each of which being moveable transversely to the longitudinal axis of the insertion part in order to allow the supporting element to be pushed outwards in relation to the longitudinal axis of the insertion part and against an inner surface of said crane boom section and thereby take up a play between the insertion part and the crane boom section; and- an actuating device for moving the supporting elements transversely to the longitudinal axis of the insertion part.

IPC 8 full level

B66C 23/66 (2006.01); **B66F 11/04** (2006.01)

CPC (source: EP)

B66C 23/66 (2013.01); **B66F 11/044** (2013.01); **B66F 11/046** (2013.01)

Citation (applicant)

DE 202008015659 U1 20090319 - PALFINGER AG [DE]

Citation (search report)

- [X] DE 102011116083 A1 20130411 - HYDROSAAR GMBH [DE]
- [A] WO 2017150706 A1 20170908 - TADANO LTD [JP]
- [A] DE 2757040 A1 19790705 - SCHEUERPFUG HANS

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3656723 A1 20200527; EP 3656723 B1 20230628; EP 3656723 C0 20230628

DOCDB simple family (application)

EP 18207620 A 20181121