

Title (en)
ROTATING TOWER CRANE

Title (de)
TURMDREHKRAN

Title (fr)
GRUE À TOUR

Publication
EP 2895418 A1 20150722 (DE)

Application
EP 13762991 A 20130912

Priority
• DE 102012018111 A 20120913
• EP 2013002745 W 20130912

Abstract (en)
[origin: WO2014040737A1] The present invention relates to a rotating tower crane comprising a telescopic tower and a jib which is pivotably mounted on the tower and which can be folded onto the tower into a transport position. The jib can be extended away from the tower out of the transport position into a telescopic position by means of an extension control mechanism, in which telescopic position the jib is kept from collision with the tower by means of lifting means attachments provided thereon such as trolleys and/or lifting hooks while the tower telescopes. The jib can thereby be completely folded onto the tower in the transport position without consideration for telescopability, and, at the same time, the jib, in particular the jib attachment piece, no longer has to slide or roll down immediately along the tower while the tower telescopes; instead the jib can be displaced past the tower at a spacing thereto through a sufficient gap. Available free spaces can be used for larger system dimensions better than previously, in particular the statically effective system cross-section of the jib attachment piece can be further enlarged and optimised. Crushing points for lifting rope or trolley displacement rope can simply be avoided.

IPC 8 full level
B66C 23/34 (2006.01)

CPC (source: EP)
B66C 23/342 (2013.01)

Citation (search report)
See references of WO 2014040737A1

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)
DE 102012018111 A1 20140313; EP 2895418 A1 20150722; EP 2895418 B1 20180425; WO 2014040737 A1 20140320

DOCDB simple family (application)
DE 102012018111 A 20120913; EP 13762991 A 20130912; EP 2013002745 W 20130912