

Title (en)  
CRANE WITH AUTOMATIC ADJUSTABLE TIGHTENING MECHANISM

Title (de)  
KRAN MIT AUTOMATISCHEM VERSTELLBAREM SPANNMECHANISMUS

Title (fr)  
GRUE AVEC RÉGLAGE AUTOMATIQUE DU MÉCANISME DE SERRAGE

Publication  
**EP 3216742 B1 20201209 (EN)**

Application  
**EP 17159998 A 20170309**

Priority  
US 201615065949 A 20160310

Abstract (en)  
[origin: EP3216742A1] A hoisting crane (1) that comprises a male shaft (2), a female shaft (3), a locking shaft (4), a tightening spring (5), a hoisting arm (6), a diagonal supportive rod (20), a top shoe 81, a bottom shoe 82, a top bearing 91, and a bottom bearing 92. The crane is portable and collapsible and is equipped with an automatic adjusting tightening mechanism that fixes and secures the crane to the work room floor and ceiling using a spring and in a way that the greater the load on the crane, the more the pressure arm increases the tightening force that the crane applies to the work room floor and ceiling.

IPC 8 full level  
**B66C 23/20** (2006.01)

CPC (source: EP)  
**B66C 23/201** (2013.01)

Cited by  
CN112479053A

Designated contracting state (EPC)  
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