

Title (en)  
TOWER CRANE WITH AUTOMATIC FOLDING AND UNFOLDING STANCHION

Title (de)  
TURMKRAN MIT AUTOMATISCH EIN- UND AUSKLAPPBAREM GEGENAUSLEGER

Title (fr)  
GRUE À TOUR AVEC POINÇON À PLIAGE ET DÉPLIAGE AUTOMATIQUES

Publication  
**EP 3816091 B1 20231011 (FR)**

Application  
**EP 20204539 A 20201029**

Priority  
FR 1912237 A 20191031

Abstract (en)  
[origin: US2021130141A1] A tower crane configured to fold and unfold between a working configuration and a transport configuration includes a boom hinged in rotation relative to a mast about a main axis of rotation. The tower crane includes a rear retainer fastened to a frame supporting the mast and to a stanchion. The stanchion extends the boom rearwardly of the main axis of rotation and is displaceable relative to the boom between a working position and a transport position. The tower crane further includes a lifting cable connected to a winding device exerting, on the lifting cable, a tension force applied on stanchion by a return system configured to cooperate with the lifting cable, so as to cause displacement of said stanchion from the working position to the transport position.

IPC 8 full level  
**B66C 23/34** (2006.01)

CPC (source: EP US)  
**B66C 13/18** (2013.01 - US); **B66C 23/16** (2013.01 - US); **B66C 23/344** (2013.01 - EP US); **B66C 23/348** (2013.01 - EP);  
**B66C 23/68** (2013.01 - US)

Cited by  
CN113772548A

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DOCDB simple family (publication)  
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US 11420851 B2 20220823; US 2021130141 A1 20210506

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