

Title (en)
ROTATING TOWER CRANE

Title (de)
TURMDREHKRAN

Title (fr)
GRUE À TOUR PIVOTANTE

Publication
EP 3354616 B1 20190403 (DE)

Application
EP 18163759 A 20131216

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Abstract (en)
[origin: WO2014095028A1] The invention relates to a crane, in particular a rotating tower crane, comprising a crane cantilever, which can be rotated about an upright axis and on which a trolley is movably arranged, from which a hoisting cable connected to a load hook unwinds, and a load-hook position determining device for determining the load-hook position. The load-hook position can be determined optically by means of only one camera, which is attached to the trolley of the crane and views downward toward the load hook from the trolley in a predetermined and thus known viewing direction. The position of the load hook in the camera image is determined by an image evaluating unit. In order to simplify the finding of the load hook in the camera image, the image evaluating unit can comprise cable-course determining means for determining the cable course of the hoisting cable that unwinds from the trolley, wherein the connection point of two lines that intersect at an acute angle or conically and specify the hoisting cable course can be assumed as the load-hook position at least approximately.

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