Title (en)

LIFTING GEAR AND METHOD FOR STARTING UP THE LIFTING MECHANISM OF SUCH A LIFTING GEAR

Title (de)

HEBEZEUG UND VERFAHREN ZUM ANFAHREN DES HUBWERKS EINES SOLCHEN HEBEZEUGS

Title (fr)

ENGIN DE LEVAGE ET PROCÉDÉ POUR METTRE EN MARCHE LE MÉCANISME DE LEVAGE D'UN TEL ENGIN DE LEVAGE

Publication

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Application

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Abstract (en)

[origin: WO2018145806A1] The present invention relates to a lifting gear, for example in the form of a crane such as a rotary tower crane (1), having a lifting mechanism (8), which comprises a lifting cable (6) running from a drum (17) which can be driven by a lifting mechanism drive (10), and a lifting mechanism brake (9) for holding the lifting cable in a braked position. The invention also relates to a method for starting up the lifting mechanism of such a lifting gear from the braked position in which the lifting mechanism brake holds a lifting load, wherein a starting moment is built up against the engaged lifting mechanism brake by a lifting mechanism drive, and the lifting mechanism brake is released when or after the starting moment is reached. When the lifting mechanism brake is engaged, the current lifting load is sensed by means of a load-sensing device (11), and the starting moment is set by the lifting mechanism controller using the sensed current lifting load such that the lifting force provided by the starting moment of the lifting mechanism corresponds to the sensed current lifting load.

IPC 8 full level

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