

Title (en)

CRANE FOR RAISING LONGITUDINAL BODIES, FOUNDATION FOR SUCH A CRANE AND METHOD FOR RAISING OF LONGITUDINAL BODIES BY MEANS OF SUCH A CRANE

Title (de)

KRAN ZUM HEBEN VON LÄNGLICHEN LASTEN, FUNDAMENT FÜR EINEN SOLCHEN KRAN, UND VERFAHREN ZUM HEBEN VON LÄNGLICHEN LASTEN DURCH EINEN SOLCHEN KRAN

Title (fr)

GRUE DE LEVAGE DE CORPS ALLONGES, SA FONDATION ET PROCEDE DE LEVAGE DE CORPS ALLONGES AVEC LADITE GRUE

Publication

EP 0776404 A1 19970604 (EN)

Application

EP 95927661 A 19950815

Priority

- DK 9500331 W 19950815
- DK 94194 A 19940816

Abstract (en)

[origin: WO9605391A1] A crane adapted for the erection of elongated bodies, preferably wind turbines, is attached to the same foundation which is used for the wind turbine. The crane comprises a jib which may be displaced forwards and backwards. The cap and the blades of the wind turbine are thereby hoisted to the top of the wind turbine tower once this has been erected. The crane is mounted on the same foundation which serves as foundation for the wind turbine once that has been erected. Bearing pedestals for seating the jib and anchoring straps for the attachment of double acting lifting and lowering devices are connected to the foundation, this foundation being additionally provided with an anchoring base for the wind turbine tower. The crane is of particular advantage for the erection of wind turbines in regions where it is difficult and costly to bring in a mobile crane for the erection of tall wind turbines or in case it is difficult to use a stationary crane in view of the anchoring and the support required for such cranes. Floating or wheeled mobile cranes need a large counterweight while stationary cranes according to the prior art require a solid anchoring at a great distance from the wind turbine foundation and put great demands to the steadiness of the support.

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E04H 12/34

IPC 8 full level

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