

Title (en)

CRANE OR DIGGER FOR SWINGING A LOAD HANGING ON A SUPPORT CABLE WITH DAMPING OF LOAD OSCILLATIONS

Title (de)

KRAN ODER BAGGER ZUM UMSCHLAGEN VON EINER AN EINEM LASTSEIL HÄNGENDEN LAST MIT LASTPENDELUNGSDÄMPFUNG

Title (fr)

GRUE OU EXCAVATEUR POUR RETOURNER UNE CHARGE SUSPENDUE A UN CABLE PORTEUR AVEC AMORTISSEMENT DU MOUVEMENT PENDULAIRE DE LA CHARGE

Publication

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Application

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Abstract (en)

[origin: WO0232805A1] The invention relates to a crane or digger for swinging a load (3), hanging on a support cable, which may be manoeuvred in three dimensions. The crane or digger comprises a computer-controlled regulator for damping the oscillations of the load, comprising a trajectory planning module (39, 41), a centripetal force compensator (150) and at least one axial controller for the slewing gear, one axial regulator for the tipping gear (45) and one axial regulator for the hoisting gear (47).

IPC 8 full level

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CPC (source: EP US)

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Cited by

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