

Title (en)

A MACHINE FOR PILE-DRIVING, A METHOD FOR TRANSPORT AND ERECTION OF A MACHINE FOR PILE-DRIVING, AND A METHOD FOR ESTABLISHMENT OF A FOUNDATION

Publication

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Application

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Abstract (en)

[origin: EP0392309A2] A machine for pile-driving comprises a driving chassis (3) with wheels (5,6) for moving on railway or road, and an upper part (4) pivotally mounted about a vertical swivel axis (13) on the driving chassis. A mast (15) with slide guide (17) for a hammer mechanism (16) is connected to the upper part. The mast may be erected to substantially vertical position for the purpose of pile-driving and may be lowered into substantially horizontal position for the purpose of transport. According to the invention the mast is connected to the upper part by a telescopically extensible and contractible boom having a base part (28) being connected to the upper part of the machine by means of a hinge with a hinge axis (44) perpendicularly to the swivel axis of the upper part, and a telescopically extensible part (29) connected to the base part, said mast being mounted to said part (29) by a hinge having its axis (49) substantially parallel to the hinge axis of the base part. It is hereby achieved that the mast may be erected while the vehicle is standing on a track above which an electric overhead traction wire is mounted. The invention also relates to a method for transport and erection of such a machine and a method for placing of foundations next to a railway track.

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