

Title (en)

A machine for pile-driving, a method for transport and erection of a machine for piledriving, and a method for establishment of foundations beside rails.

Title (de)

Pfahlrammeinrichtung, Methode zur Beförderung und Errichtung derselben und Methode zur Errichtung von Fundamenten neben Schienen.

Title (fr)

Machine pour battre les pieux, méthode de transport et d'érection de ladite machine, et méthode pour former des fondations au voisinage de rails.

Publication

EP 0392310 A2 19901017 (EN)

Application

EP 90106280 A 19900402

Priority

DK 173489 A 19890411

Abstract (en)

A machine for pile-driving comprises a driving chassis with wheels (5,6) for moving on railway or road, and an upper part (4) pivotally mounted about a swivel axis on the driving chassis. A mast (215) with slide guide for a ram 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 of the machine by a telescopically extensible and contractible boom having a base part (228) being connected to the upper part of the machine by means of a hinge with axis at right angles to the swivel axis of the upper part, and a telescopically extensible part (229) connected to the base part, said part (229) being connected to the mast by a slide guide so that it is movable along the longitudinal axis of the mast retaining the angle between the axis of the mast and the extension axis of the boom. A very simple erection and dismantling of the mast is hereby achieved as well as the possibility of swivelling said mast through 180 DEG when the machine is standing on one half of a double track, without the mast thereby getting in the way of traffic on the neighbour track. 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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IPC 8 full level

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CPC (source: EP)

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Cited by

JP2013133670A; JP2016173009A; EP1660729A4; JP2015143445A; JP2015127501A; EP0984105A1; EP0777018A1; US7591612B2; EP4083327A1; WO2022228833A1; US6234719B1; EP4083326A1

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