

Title (en)

SYSTEMS, METHODS, AND MACHINES FOR AUTOMATED SCREW ANCHOR DRIVING

Title (de)

SYSTEME, VERFAHREN UND MASCHINEN ZUM AUTOMATISIERTEN SCHRAUBENANKERANTRIEB

Title (fr)

SYSTÈMES, PROCÉDÉS ET MACHINES POUR L'ENTRAÎNEMENT AUTOMATISÉ D'UNE VIS D'ANCRAGE

Publication

EP 4240913 A1 20230913 (EN)

Application

EP 21889808 A 20211012

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Abstract (en)

[origin: WO2022098476A1] In a machine for driving screw anchors and other foundation components, a desired embedment depth is calculated based on a minimum required embedment depth, work point height and length of available upper leg sections. Once calculated, the machine automatically drives the screw anchor to the depth so that one of the available upper leg lengths will fit between the driven screw anchor and apex truss hardware. If a secondary condition is satisfied that guarantees sufficient pull-out strength, a new upper leg length may be selected and the driving operation terminated prior to reaching the desired embedment depth, reducing the amount of material necessary to construct the truss foundation.

IPC 8 full level

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