

Title (en)

APPARATUS AND METHOD FOR MODIFIED HORIZONTAL DIRECTIONAL DRILLING ASSEMBLY

Title (de)

VORRICHTUNG UND VERFAHREN FÜR MODIFIZIERTE HORIZONTALRICHTUNGSBOHRANORDNUNG

Title (fr)

APPAREIL ET MÉTHODE POUR L'INSTALLATION DE FORAGE DIRECTIONNEL HORIZONTAL MODIFIÉE

Publication

**EP 1751390 A2 20070214 (EN)**

Application

**EP 05743228 A 20050428**

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- US 56714504 P 20040430

Abstract (en)

[origin: WO2005110020A2] An apparatus and method for a modified horizontal directional drilling assembly for drilling pipe into a drilling surface. The drilling assembly comprises a power unit for supplying power to the assembly, a thrust frame adapted to be moved between a position substantially parallel to the drilling surface and a position substantially perpendicular to the drilling surface and a means for moving the thrust frame. The rotary and carriage assembly is adapted to apply rotational, thrust and pull-back forces to the drill pipe. The drilling assembly is adapted to drill pipe into the drilling surface at any angle relative to the drilling surface between substantially parallel to the drilling surface and substantially perpendicular to the drilling surface. The method includes the steps of placing a drill pipe onto the drilling assembly, moving the thrust frame to a desired drilling angle, moving the rotary and carriage assembly into direct contact with the drill pipe, applying rotational, thrust and pull-back forces to the drill pipe, and drilling the pipe into the drilling surface.

IPC 8 full level

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CPC (source: EP)

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