

Title (en)

Submarine drilling assembly and method for inserting a foundation element into the soil of a body of water

Title (de)

Unterwasser-Bohranordnung und Verfahren zum Einbringen eines Gründungselementes in einen Gewässergrund

Title (fr)

Agencement de forage sous-marin et procédé d'introduction d'un élément de fondation dans le sol d'une étendue d'eau

Publication

EP 2527539 B1 20130911 (DE)

Application

EP 11004380 A 20110527

Priority

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Abstract (en)

[origin: EP2527539A1] The arrangement (10) has a star-shaped submersible working platform (20) placed onto a bed of a body of water. Ground contact elements (22) are arranged on the working platform for aligning the working platform on the bed of the body of water in an adjustable manner. A cylindrical guide pipe (30) is arranged on the working platform to receive and guide a drilling tool (40) driven by a drill drive. The guide pipe is supported on the working platform in a displaceable and rotatable manner. A guide pipe drive (60) drives the guide pipe on the working platform in a rotating manner. An independent claim is also included for a method for introducing a foundation element into a bed of a body of water with an underwater drilling arrangement.

IPC 8 full level

E02D 13/04 (2006.01); **E02D 5/40** (2006.01); **E02D 7/28** (2006.01); **E02D 27/52** (2006.01); **E21B 7/124** (2006.01); **E21B 7/128** (2006.01)

CPC (source: EP KR US)

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Cited by

WO2018052286A1; NL2017462B1; EP3333324A1; EP3330441A1; EP3564446A1; EP4350119A1; WO2019211154A1; US10767336B2; EP2930275A1; EP2562348B1; EP2562310B1; WO2020062940A1

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