

Title (en)

Bi-directional anchor drive system and method of using same

Title (de)

Zweirichtungsrammsystem eines Ankers und Verfahren zur Anwendung desselben

Title (fr)

Système bidirectionnel d'enfoncement d'un ancrage et méthode d'utilisation dudit système

Publication

EP 0863262 A1 19980909 (EN)

Application

EP 97103825 A 19970306

Priority

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Abstract (en)

A system and method are provided for driving a ground anchor (10) and associated anchor rod (22) into the ground. The ground anchor is held securely relative to a drive gad (14) which is reciprocated bi-directionally with an actuator (16). One end of the anchor rod is pivotally connected to the ground anchor. Another end of the anchor rod is connected either to the drive gad or to the actuator so that the anchor rod is caused to vibrate positively in phase with the anchor. The vibrating anchor liquefies the ground and can be pushed easily through the ground to a desired anchoring position. <IMAGE>

IPC 1-7

E02D 5/80

IPC 8 full level

E02D 5/80 (2006.01)

CPC (source: EP)

E02D 5/803 (2013.01)

Citation (search report)

- [XA] JP H0871955 A 19960319 - IIDA SHOJI, et al & PATENT ABSTRACTS OF JAPAN vol. 96, no. 007 31 July 1996 (1996-07-31)
- [XA] US 3850128 A 19741126 - LOVELL J

Cited by

EP3768587A4; NL2002773C2; EP2597203A1; NL2007849C2; EP2094914A4; NL2009100C2; WO2014007618A2; WO2014007618A3

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