

Title (en)  
PILE DRIVING RIG

Title (de)  
PFAHLRAMME

Title (fr)  
ENGIN DE BATTAGE DE PIEUX

Publication  
**EP 0737262 B1 19990811 (EN)**

Application  
**EP 95904407 A 19941229**

Priority  

- EP 95904407 A 19941229
- DK 9400491 W 19941229
- EP 93120694 A 19931229

Abstract (en)  
[origin: WO9518270A1] A pile driving rig (1) adapted for hammering piles (49) into the ground comprises: a rail post (3), a hammer means (10) guided by said rail post, said hammer means comprising drop load guide means, and a drop load (11) adapted for hammering piles and guided by said drop load guide means. With the purpose of detecting the energy delivered by each blow of the hammer and of automatically recording the penetration of the pile upon each blow of the hammer, said pile rig further comprises means (13, 30) for detecting the kinetic energy of the drop load delivered in each hammer blow, means (13, 30) for tracing the position of the hammer means, and means for comparing successively occupied positions of the hammer means and computing the travel between these positions, and to deduce therefrom the penetration of the pile upon each blow of the hammer, and for automatically recording said penetration. The invention also comprises a method for the recordal of the penetration of the pile due to the impact blow delivered from the hammer and a method for determining the load-bearing capabilities of various underground strata.

IPC 1-7  
**E02D 1/00**; **E02D 13/06**

IPC 8 full level  
**E02D 1/00** (2006.01); **E02D 13/06** (2006.01)

CPC (source: EP)  
**E02D 13/06** (2013.01)

Citation (examination)  

- NL 9200070 A 19930802 - ORTHOPAEDIC TECH BV
- "Pfahl Symposium 1993"- Proceedings of Technical Seminar, Braunschweig on 18/19 March 1993
- "Numerical methods on offshore piling"- Proceedings of Conference, London on 22/23 May 1979
- "Automatisering bij het heien van palen"- Technical note date 28 March 1990

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DE102013205512B3; US8764347B2; WO2010124386A1

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DOCDB simple family (publication)  
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