

Title (en)
PILE DRIVING RIG

Title (de)
PFAHLRAMME

Title (fr)
ENGIN DE BATTAGE DE PIEUX

Publication
EP 0737262 B2 20030910 (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)

Cited by
DE102013205512B3; US8764347B2; WO2010124386A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9518270 A1 19950706; AT E183269 T1 19990815; AU 1310895 A 19950717; DE 69420050 D1 19990916; DE 69420050 T2 20000420; DE 69420050 T3 20040603; DK 0737262 T3 20000313; DK 0737262 T4 20031117; EP 0737262 A1 19961016; EP 0737262 B1 19990811; EP 0737262 B2 20030910

DOCDB simple family (application)
DK 9400491 W 19941229; AT 95904407 T 19941229; AU 1310895 A 19941229; DE 69420050 T 19941229; DK 95904407 T 19941229; EP 95904407 A 19941229