

Title (en)  
FREE FALLING HAMMER WITH AN EDDY CURRENT BRAKE

Title (de)  
RAMME MIT WIRBELSTROMKUPPLUNG

Title (fr)  
MARTEAU AVEC UNE FREIN À COURANTS DE FOUCAULT

Publication  
**EP 2393992 B1 20130731 (DE)**

Application  
**EP 10702628 A 20100203**

Priority  
• EP 2010000656 W 20100203  
• DE 102009007916 A 20090206

Abstract (en)  
[origin: WO2010089096A1] The invention relates to a pile driver (10) having: - a pile driver weight (14); - a cable (16) on which the pile driver weight is arranged; - a winch (12) which comprises a drum (13) for the cable, a motor (17) for the drum, and a clutch (19) between the drum and motor; characterized in that - the clutch comprises an eddy current clutch (19). The invention also relates to a control system (27) for the pile driver (10), wherein, in order to carry out a pile driver stroke upon the triggering of a free fall of the pile driver weight (14), the cable (16) is unwound from the drum with a predefinable cable length which is equal to the sum of the advancement of a previous pile driver stroke and the lifting height of the pile driver weight.

IPC 8 full level  
**E02D 7/08** (2006.01)

CPC (source: EP)  
**E02D 7/08** (2013.01)

Cited by  
CN111424638A; CN111424637A; EP3272944A1; EP3272944B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010089096 A1 20100812**; DE 102009007916 A1 20100819; EP 2393992 A1 20111214; EP 2393992 B1 20130731;  
ES 2432496 T3 20131203; PL 2393992 T3 20131231

DOCDB simple family (application)  
**EP 2010000656 W 20100203**; DE 102009007916 A 20090206; EP 10702628 A 20100203; ES 10702628 T 20100203; PL 10702628 T 20100203