

Title (en)
Modular vibratory pile driver system

Title (de)
Vibrationsrammensystem

Title (fr)
Système de commande de pieu vibratoire modulaire

Publication
EP 2003252 A1 20081217 (EN)

Application
EP 08009993 A 20080531

Priority
• US 94397907 P 20070614
• US 4113308 A 20080303

Abstract (en)
A modular side grip vibratory pile driver system (3 0) having a housing (31), a vibratory gear case (36) and a pair of jaws (37a, 40) adapted to grip a variety of pile profiles. The housing is rotatably connected to a construction machine such that the jaws can be moved from a position wherein the jaws (37a, 40) are oriented vertically and spaced apart horizontally to a position wherein the jaws are oriented horizontally and spaced apart vertically. A plurality of sets of gripping assemblies (39, 139, 239) having different gripping profiles are interchangeably connected to the jaws.

IPC 8 full level
E02D 11/00 (2006.01); **E02D 13/02** (2006.01)

CPC (source: EP US)
E02D 11/00 (2013.01 - EP US); **E02D 13/02** (2013.01 - EP US)

Citation (applicant)
US RE37661 E 20020416 - RAUNISTO YRJO [FI]

Citation (search report)
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• [A] GB 2358035 A 20010711 - ALDRIDGE PILING EQUIPMENT [GB]
• [A] US RE37661 E 20020416 - RAUNISTO YRJO [FI]
• [A] US 5653556 A 19970805 - WHITE JOHN L [US]
• [A] JP S58143017 A 19830825 - TAKECHI KOMUSHO KK
• [A] JP S57184129 A 19821112 - MIZOBUCHI JIYUNZOU
• [A] JP H09291539 A 19971111 - NIPPON SHARYO SEIZO KK

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 08009993 A 20080531; AT 08009993 T 20080531; CA 2634402 A 20080606; DE 602008000376 T 20080531; MX 2008007656 A 20080612; PL 08009993 T 20080531; US 4113308 A 20080303