

Title (en)  
VIBRATOR ARRANGEMENT AND METHOD OF PRODUCING MATERIAL COLUMNS IN THE GROUND

Title (de)  
RÜTTLERANORDNUNG UND VERFAHREN ZUR HERSTELLUNG VON MATERIALSÄULEN IM BODEN

Title (fr)  
SYSTEME VIBREUR ET PROCEDE DE FABRICATION DE COLONNES DE MATERIAU DANS LE SOL

Publication  
**EP 1979545 A1 20081015 (DE)**

Application  
**EP 07703212 A 20070201**

Priority  
• EP 2007000883 W 20070201  
• DE 102006005242 A 20060203

Abstract (en)  
[origin: WO2007090566A1] The invention relates to a vibrator arrangement (1) for producing material columns in the ground, which comprises an elongate vibrating body (2) with an outer surface having a girth and at least one projection (3) extending at least partially around the girth of the vibrating body (2). The invention also relates to a method of producing a material column in the ground using such a vibrator arrangement.

IPC 8 full level  
**E02D 7/18** (2006.01); **E02D 3/054** (2006.01); **E02D 3/12** (2006.01)

CPC (source: EP US)  
**E02D 3/054** (2013.01 - EP US); **E02D 3/08** (2013.01 - EP US); **E02D 3/123** (2013.01 - EP US); **E02D 27/26** (2013.01 - US)

Citation (search report)  
See references of WO 2007090566A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102006005242 A1 20070816**; AU 2007213993 A1 20070816; CA 2640720 A1 20070816; CA 2640720 C 20140318;  
EP 1979545 A1 20081015; RU 2008135689 A 20100310; RU 2446254 C2 20120327; US 2009317188 A1 20091224; US 8746956 B2 20140610;  
WO 2007090566 A1 20070816

DOCDB simple family (application)  
**DE 102006005242 A 20060203**; AU 2007213993 A 20070201; CA 2640720 A 20070201; EP 07703212 A 20070201;  
EP 2007000883 W 20070201; RU 2008135689 A 20070201; US 22340707 A 20070201