

Title (en)  
DRILL STRING SUSPENSION

Title (de)  
BOHRSTRANGAUFHÄNGUNG

Title (fr)  
SUSPENSION DE TRAIN DE TIGES DE FORAGE

Publication  
**EP 1937929 A1 20080702 (EN)**

Application  
**EP 06799594 A 20060921**

Priority  
• NZ 2006000244 W 20060921  
• NZ 54270005 A 20050927

Abstract (en)  
[origin: WO2007037704A1] Vertical and/or directional drilling apparatus where compliant support (air bag, magnetic or the like) is provided for a vibrational head and drive assembly that carries the drill string. With the vibrational head having a shuttle from which vibration is not directly taken and with the compliant support allowing pull back in the directional mode several advantages arise.

IPC 8 full level  
**E21B 7/24** (2006.01); **E21B 28/00** (2006.01)

CPC (source: EP KR US)  
**E21B 7/24** (2013.01 - EP KR US); **E21B 28/00** (2013.01 - KR)

Citation (search report)  
See references of WO 2007037704A1

Citation (third parties)  
Third party :  
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• WO 2004113668 A1 20041229 - FLEXIDRILL LTD [NZ], et al  
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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

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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JP 2009510289 A 20090312; KR 20080053504 A 20080613; NZ 542700 A 20080530; TW 200726900 A 20070716;  
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KR 20087009209 A 20080417; NZ 54270005 A 20050927; TW 95135826 A 20060927; US 99259806 A 20060921; ZA 200802507 A 20080318