

Title (en)  
DRILLING DEVICE AND METHOD FOR DRILLING A WELL

Title (de)  
BOHRVORRICHTUNG UND VERFAHREN ZUM ABTEUFEN EINER BOHRUNG

Title (fr)  
DISPOSITIF DE FORAGE ET PROCEDE DE FORAGE D'UN PUIT

Publication  
**EP 1105619 B1 20031008 (DE)**

Application  
**EP 99952441 A 19990819**

Priority  
• DE 9902598 W 19990819  
• DE 19837692 A 19980819

Abstract (en)  
[origin: US6857483B1] A drilling machine and drilling rig for exploratory drillings and producing wells, include a base mounting atop drive, and a multifunctional gripper for gripping drilling pipe from a stock and to be raised on the base for eventual positions positioning at a well center, an elevator being provided below the top drive. The base can be rotatably mounted and have a live ring at a base lower end region, the base being rotated to the pipe stock location and being rotatable to a well center as well. A drilling pipe upper end when raised on the base can be connected to the top drive, and an iron roughneck on a rig floor can be used to connect a pipe lower end to a pipe section in the well. Where two drilling machine are used, one can be used for actual drilling at the well center, and the second supplied with pipework for the operation.

IPC 1-7  
**E21B 15/00**

IPC 8 full level  
**E21B 15/00** (2006.01); **E21B 19/00** (2006.01); **E21B 19/20** (2006.01)

CPC (source: EP US)  
**E21B 15/00** (2013.01 - EP US); **E21B 19/20** (2013.01 - EP US)

Cited by  
CN104989284A; CN109477362A

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

DOCDB simple family (publication)  
**DE 19837692 A1 20000302**; **DE 19837692 C2 20030403**; AT E251711 T1 20031015; AT E254236 T1 20031115; CA 2344034 A1 20000302; CA 2344034 C 20080115; CA 2362866 A1 20000302; CA 2362866 C 20091215; DE 59907313 D1 20031113; DE 59907737 D1 20031218; EP 1105619 A2 20010613; EP 1105619 B1 20031008; EP 1108110 A2 20010620; EP 1108110 B1 20031112; NO 20010810 D0 20010216; NO 20010810 L 20010216; NO 20010811 D0 20010216; NO 20010811 L 20010418; NO 317594 B1 20041115; NO 320520 B1 20051212; US 6581698 B1 20030624; US 6857483 B1 20050222; WO 0011306 A2 20000302; WO 0011306 A3 20000413; WO 0011308 A2 20000302; WO 0011308 A3 20000525

DOCDB simple family (application)  
**DE 19837692 A 19980819**; AT 99952441 T 19990819; AT 99952442 T 19990819; CA 2344034 A 19990819; CA 2362866 A 19990819; DE 59907313 T 19990819; DE 59907737 T 19990819; DE 9902598 W 19990819; DE 9902599 W 19990819; EP 99952441 A 19990819; EP 99952442 A 19990819; NO 20010810 A 20010216; NO 20010811 A 20010216; US 76308601 A 20010727; US 76330501 A 20010521