

Title (en)
PIPE HANDLING APPARATUS AND METHOD OF LANDING ITEMS AT A WELL LOCATION

Title (de)
VORRICHTUNG ZUM HANDHABEN VON ROHREN UND VERFAHREN ZUM SETZEN VON OBJEKTEN IN BOHRLÖCHERN

Title (fr)
DISPOSITIF POUR MANUTENTION DE TUYAUX ET TECHNIQUE DE DESCENTE DE PIECES DANS UN PUIT

Publication
EP 1295006 A4 20050427 (EN)

Application
EP 01930685 A 20010424

Priority
• US 0113145 W 20010424
• US 58623200 A 20000602
• US 58623300 A 20000602
• US 58623900 A 20000602

Abstract (en)
[origin: WO0194737A1] A drill pipe (18) and drill pipe handling apparatus for oil and gas drilling rigs, the drill pipe (18) having an enlarged diameter section (21) positioned between the ends of the drill pipe (18). The enlarged diameter section (21) of drill pipe (18) has a shoulder (21a and b) which corresponds with and is engaged by a shoulder (109 or 209) located on wedge members (106 or 206) of a holder (100 or 200) on a drilling rig (10) for supporting the drill pipe (18) without crushing or otherwise damaging the drill pipe (18) during and after addition or removal of joints of drill pipe (18). A method of lowering items from a drilling rig (10) to a well (14) located below it through the use of a landing string (19) comprised of drill pipe (18) having an enlarged diameter section (21) with a shoulder (21a and b), in combination with upper and lower holders (100 and 200) having wedge members (106 and 206) with shoulders (109 and 209) that engage and support the drill pipe (18) at the shoulder (21a and b) of the enlarged diameter section (21).

IPC 1-7
E21B 19/07; **E21B 19/16**; **E21B 33/035**; **E21B 19/00**; **E21B 33/043**

IPC 8 full level
E21B 19/00 (2006.01); **E21B 19/07** (2006.01); **E21B 19/16** (2006.01); **E21B 33/035** (2006.01); **E21B 33/043** (2006.01)

CPC (source: EP US)
E21B 19/002 (2013.01 - EP); **E21B 19/07** (2013.01 - EP); **E21B 19/16** (2013.01 - EP); **E21B 33/043** (2013.01 - EP US);
E21B 33/035 (2013.01 - EP US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 0194737A1

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

DOCDB simple family (publication)
WO 0194737 A1 20011213; AT E323213 T1 20060415; AU 5719301 A 20011217; CA 2410574 A1 20011213; CA 2410574 C 20080708;
DE 60118734 D1 20060524; DE 60118734 T2 20070412; EP 1295006 A1 20030326; EP 1295006 A4 20050427; EP 1295006 B1 20060412;
MX PA02011876 A 20040517

DOCDB simple family (application)
US 0113145 W 20010424; AT 01930685 T 20010424; AU 5719301 A 20010424; CA 2410574 A 20010424; DE 60118734 T 20010424;
EP 01930685 A 20010424; MX PA02011876 A 20010424