

Title (en)  
DOWNHOLE EQUIPMENT

Title (de)  
BOHRLOCHAUSRÜSTUNG

Title (fr)  
EQUIPEMENT DE FOND DE TROU DE FORAGE

Publication  
**EP 0862679 A1 19980909 (EN)**

Application  
**EP 96939995 A 19961125**

Priority  

- GB 9602902 W 19961125
- GB 9523978 A 19951123
- GB 9614309 A 19960708

Abstract (en)  
[origin: GB2341653A] A downhole swivel joint 300, for use in a wellbore, comprising first 302 and second 304 elongate connector portions, rotatably secured to each other, with each connector portion having a longitudinally extending bore 306 and 308, for providing fluid communication between the two connector portions. The first and second connector portions are each provided with means 310 and 312, for attaching additional equipment. The second connector portion may be provided with a shoulder 316, to engage a surface within the wellbore, to prevent further downward movement of the swivel joint. The connector portions may be secured together by a bearing arrangement 314, in the form of a set of axial thrust discs, immersed in a sealed oil bath.

IPC 1-7  
**E21B 17/02; E21B 4/18; E21B 17/05; E21B 31/18**

IPC 8 full level  
**E21B 4/00** (2006.01); **E21B 4/18** (2006.01); **E21B 17/02** (2006.01); **E21B 17/05** (2006.01); **E21B 23/04** (2006.01); **E21B 31/18** (2006.01)

CPC (source: EP US)  
**E21B 4/06** (2013.01 - EP); **E21B 4/18** (2013.01 - EP); **E21B 17/021** (2013.01 - EP); **E21B 17/05** (2013.01 - EP);  
**E21B 23/0411** (2020.05 - EP US); **E21B 31/18** (2013.01 - EP); **E21B 17/02** (2013.01 - EP US)

Citation (search report)  
See references of WO 9719248A2

Designated contracting state (EPC)  
FR GB NL

DOCDB simple family (publication)

**GB 2341653 A 20000322; GB 2341653 A8 20000621; GB 2341653 B 20000503; GB 9917394 D0 19990922;** AU 7700796 A 19970611; EP 0862679 A1 19980909; EP 0862679 B1 20030723; GB 2341620 A 20000322; GB 2341620 A8 20000621; GB 2341620 B 20000503; GB 2341621 A 20000322; GB 2341621 A8 20000621; GB 2341621 B 20000503; GB 2341622 A 20000322; GB 2341622 A8 20000619; GB 2341622 B 20000503; GB 2341623 A 20000322; GB 2341623 A8 20000619; GB 2341623 B 20000503; GB 9917389 D0 19990922; GB 9917391 D0 19990922; GB 9917392 D0 19990922; GB 9917396 D0 19990922; NO 318590 B1 20050411; NO 982344 D0 19980522; NO 982344 L 19980717; WO 9719248 A2 19970529; WO 9719248 A3 19970828

DOCDB simple family (application)

**GB 9917394 A 19960708;** AU 7700796 A 19961125; EP 96939995 A 19961125; GB 9602902 W 19961125; GB 9917389 A 19960708; GB 9917391 A 19960708; GB 9917392 A 19960708; GB 9917396 A 19960708; NO 982344 A 19980522