

Title (en)  
POWER TONG

Title (de)  
KRAFTZANGE

Title (fr)  
CLE DE VISSAGE A COMMANDE PNEUMATIQUE

Publication  
**EP 0963503 B1 20010711 (EN)**

Application  
**EP 98902096 A 19980129**

Priority  
• GB 9800281 W 19980129  
• US 80262997 A 19970219

Abstract (en)  
[origin: WO9837304A1] A power tong (1) for rotating a tubular (40) in wellbore operations, the power tong comprising an outer case (2), a rotary (3) rotatably mounted in the outer case (2) for rotating a tubular (40), apparatus (4) for rotating the rotary (3) to rotate the tubular (40), at least one active jaw (8) movably mounted on the rotary (3) and displaceable relative thereto to grip the tubular (40), the at least one active jaw (8) having a gripping element (15) for contacting the surface of the tubular (40), and wherein one of said active jaw (8) and said rotary (3) is provided with a cam (27) and the other with a cam follower (19), characterized by pre-load apparatus (28, 29) interconnected directly or indirectly between the at least one active jaw (8) and the rotary (3) for, in use, displacing said active jaw (8) with respect to said rotary (3) so that the active jaw is cammed into gripping engagement with the tubular (40) and so inhibit relative rotation between said active jaw (8) and said tubular (40) on subsequent rotation of said rotary (3).

IPC 1-7  
**E21B 19/16**

IPC 8 full level  
**E21B 19/16** (2006.01)

CPC (source: EP)  
**E21B 19/164** (2013.01)

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**WO 9837304 A1 19980827**; AU 5872798 A 19980909; AU 727450 B2 20001214; CA 2281592 A1 19980827; CA 2281592 C 20061212; DE 69801101 D1 20010816; DE 69801101 T2 20020321; EP 0963503 A1 19991215; EP 0963503 B1 20010711; NO 314272 B1 20030224; NO 993501 D0 19990715; NO 993501 L 19991013

DOCDB simple family (application)  
**GB 9800281 W 19980129**; AU 5872798 A 19980129; CA 2281592 A 19980129; DE 69801101 T 19980129; EP 98902096 A 19980129; NO 993501 A 19990715