

Title (en)  
WRENCHING TONG

Title (de)  
SCHRAUBZANGE

Title (fr)  
CLE A TIGES

Publication  
**EP 1232323 A1 20020821 (EN)**

Application  
**EP 00976168 A 20001117**

Priority  
• GB 0004383 W 20001117  
• GB 9927825 A 19991126

Abstract (en)  
[origin: CA2389449A1] Apparatus for applying torque to a first tubular relative to a second tubular, the apparatus comprising a first tong (1) for gripping the first tubular and a second tong (11) for gripping the second tubular, wherein the first tong is provided with teeth 14 around a peripheral surface thereof, the second tong is provided with at least one pinion (7), and the pinion meshes with the teeth in such a way that the first tong and the second tong can be rotated relative to one another when the pinion is rotated.

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

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

CPC (source: EP NO)  
**E21B 19/16** (2013.01 - NO); **E21B 19/164** (2013.01 - EP)

Citation (search report)  
See references of WO 0138688A1

Cited by  
DE102008012667A1

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**GB 2356591 A 20010530; GB 2356591 B 20031015; GB 9927825 D0 20000126**; AU 1404801 A 20010604; AU 772533 B2 20040429; CA 2389449 A1 20010531; CA 2389449 C 20070807; DE 60014955 D1 20041118; EP 1232323 A1 20020821; EP 1232323 B1 20041013; EP 1475513 A1 20041110; EP 1475513 B1 20080716; NO 20021924 D0 20020424; NO 20021924 L 20020703; NO 20150916 A1 20020703; NO 336474 B1 20150831; WO 0138688 A1 20010531

DOCDB simple family (application)  
**GB 9927825 A 19991126**; AU 1404801 A 20001117; CA 2389449 A 20001117; DE 60014955 T 20001117; EP 00976168 A 20001117; EP 04103600 A 20001117; GB 0004383 W 20001117; NO 20021924 A 20020424; NO 20150916 A 20150714