

Title (en)  
METHOD OF PULLING OUTER TUBINGS

Publication  
**EP 0379187 B1 19920520 (DE)**

Application  
**EP 90100953 A 19900117**

Priority  
DE 3901664 A 19890120

Abstract (en)  
[origin: EP0379187A1] In a method of boring out and pulling double tubing (9, 10) having inner and outer tubing, the boring-out and pulling of the tubing being effected by means of at least one power-driven rotary head (25, 26) traversable on a drill carriage (6), an installed ground anchor is loosened by virtue of the fact that the inner tubing (9) is pulled and the anchor installed before the outer tubing (10) is pulled, that the installed anchor is then secured against pulling-out by inner tubing (9) or a supporting element, and that, when the anchor is secured, the outer tubing (10) is pulled over the inner tubing (9) or the supporting element and that both the inner and outer tubing are deposited together. <IMAGE>

IPC 1-7  
**E02D 5/74**; **E21B 7/20**; **E21D 20/00**

IPC 8 full level  
**E21B 15/04** (2006.01); **E02D 5/74** (2006.01); **E21B 7/02** (2006.01); **E21B 7/20** (2006.01); **E21B 19/20** (2006.01); **E21D 20/00** (2006.01)

CPC (source: EP KR)  
**E02D 5/74** (2013.01 - EP); **E21B 7/02** (2013.01 - KR); **E21B 19/20** (2013.01 - EP); **E21D 20/006** (2013.01 - EP)

Cited by  
WO0216728A1; DE10341437B4; DE19606031C1; EP0685630A3; DE19810707C2; FR2677703A1; DE10108696B4; EP0860582A1; US6981559B2; EP0942146A2; US6857483B1; EP2093373A1; WO02103162A1; WO03048502A1; WO2007129337A1; US7631704B2; US6951257B2; US9500048B2; EP1832710A1; US7735580B2; WO0011306A3; WO0011308A3; EP0565502B2

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