

Title (en)  
ENLARGING AND STABILISING TOOL FOR A BOREHOLE AND METHOD FOR THE USE THEREOF

Title (de)  
BOHRLOCHERWEITERUNGS- UND -STABILISIERUNGSWERKZEUG UND VERWENDUNGSVERFAHREN DAFÜR

Title (fr)  
OUTIL D'ELARGISSEMENT ET DE STABILISATION A METTRE EN SERVICE DANS UN TROU DE FORAGE ET PROCEDE POUR SA MISE EN OEUVRE

Publication  
**EP 1747344 A1 20070131 (FR)**

Application  
**EP 05742758 A 20050421**

Priority  
• EP 2005051765 W 20050421  
• BE 2004000057 W 20040421

Abstract (en)  
[origin: WO2005103435A1] The inventive enlarging and stabilising tool comprises a tubular body (1) provided with an axial cavity (2) outwardly open by at least one radial guiding channel (3), a knife element (5, 6) radially displaceable in each radial guiding channel (3, 4), wedge means which actuates the radial movement of each knife element by the axial motion in the tubular body and a drive tube (11) which is mounted inside said axial cavity in such a way that it is axially displaceable, comprises a longitudinal axis (8) and is pivotable therearound, wherein at least one wedge element (17, 18) is removably supported on the circumference of the drive tube (11), each wedge element and the drive tube, in the first angular position thereof, carry out a relative axial sliding motion therebetween, whereas in a second angular position of the drive tube, each wedge element is driven by the drive tube in axial displacements and means (28-32) stopping the drive tube in the second angular position thereof, thereby enabling said axial displacements to be carried out.

IPC 8 full level  
**E21B 10/32** (2006.01); **E21B 7/00** (2006.01)

CPC (source: EP US)  
**E21B 10/322** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005103435A1

Cited by  
CN109681123A

Designated contracting state (EPC)  
GB NL

DOCDB simple family (publication)  
**WO 2005103435 A1 20051103**; CA 2563758 A1 20051103; CA 2563758 C 20121127; EP 1747344 A1 20070131; EP 1747344 B1 20080813; NO 20065362 L 20070111; NO 334422 B1 20140303; US 2005241856 A1 20051103; US 7658241 B2 20100209

DOCDB simple family (application)  
**EP 2005051765 W 20050421**; CA 2563758 A 20050421; EP 05742758 A 20050421; NO 20065362 A 20061121; US 10935005 A 20050419