

Title (en)
EXTENDABLE CUTTING TOOLS FOR USE IN A WELLBORE

Title (de)
VERLÄNGERBARE SCHNEIDWERKZEUGE ZUR VERWENDUNG IN EINEM BOHRLOCH

Title (fr)
OUTILS DE COUPE EXPANSIBLES POUR UTILISATION DANS UN Puits DE FORAGE

Publication
EP 2364393 B1 20150107 (EN)

Application
EP 09752662 A 20091110

Priority

- US 2009063934 W 20091110
- US 11319808 P 20081110
- US 43607709 A 20090505

Abstract (en)
[origin: WO2010054407A1] Embodiments of the present invention generally relate to extendable cutting tools for use in a wellbore. In one embodiment, a tool for use in a wellbore includes a tubular body having a bore therethrough, an opening through a wall thereof, and a connector at each longitudinal end thereof; and an arm. The arm is pivotally connected to a first piston and rotationally coupled to the body, is disposed in the opening in a retracted position, and is movable to an extended position where an outer surface of the arm extends outward past an outer surface of the body. The tool further includes the first piston. The first piston is disposed in the body bore, has a bore therethrough, and is operable to move the arm from the retracted position to the extended position in response to fluid pressure in the piston bore exceeding fluid pressure in the opening. The tool further includes a lock operable to retain the first piston in the retracted position; and a second piston operably coupled to the lock.

IPC 8 full level
E21B 10/32 (2006.01)

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

Cited by
CN105888558A; CN113193222A; IT201900003721A1; US12006823B2; WO2020183441A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010054407 A1 20100514; AU 2009313207 A1 20110707; AU 2009313207 B2 20130321; CA 2742767 A1 20100514;
CA 2742767 C 20140527; EP 2364393 A1 20110914; EP 2364393 B1 20150107; EP 2801693 A1 20141112; EP 2801693 B1 20180328

DOCDB simple family (application)
US 2009063934 W 20091110; AU 2009313207 A 20091110; CA 2742767 A 20091110; EP 09752662 A 20091110; EP 13193719 A 20091110