

Title (en)
STABILIZER DEVICE FOR BOTTOM HOLE ASSEMBLY

Title (de)
STABILISATORVORRICHTUNG FÜR EINE BODENBOHRUNGSANORDNUNG

Title (fr)
DISPOSITIF STABILISATEUR POUR ENSEMBLE DE FOND DE TROU

Publication
EP 2917451 A1 20150916 (EN)

Application
EP 13767010 A 20130930

Priority
• FR 1260359 A 20121030
• US 201361754009 P 20130118
• EP 2013070341 W 20130930

Abstract (en)
[origin: CA2885963A1] A stabilizer device (20, 120, 220) for a drill stem, in particular for a bottom hole assembly, which is rotatable about a longitudinal axis (X), the device comprising a tubular central body (21) and connection means (22, 23) at its axial ends for connecting to elements of the stem, the device being provided with a helical protrusion (24, 25, 26) on the surface of the body intended to come into contact with a wall of the drilled hole, said helical protrusion turning in the clockwise direction (W) about the axis of the central body viewed from an upstream axial end in the direction of a downstream axial end, characterized in that a crest (33, 33', 33'') of the helical protrusion comprises a leading edge (35, 35' and 35'') and a trailing edge (36, 36' and 36'') defined in the direction of rotation, the leading edge comprising a convex portion such that a first portion (38) of said convex portion has a radius of curvature of more than 3.5 mm over an angular arc of at least 20°.

IPC 8 full level
E21B 17/10 (2006.01)

CPC (source: CN EP)
E21B 17/1078 (2013.01 - CN EP)

Citation (search report)
See references of WO 2014067730A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 2997439 A1 20140502; FR 2997439 B1 20150403; CA 2885963 A1 20140508; CN 104755694 A 20150701; EP 2917451 A1 20150916; WO 2014067730 A1 20140508

DOCDB simple family (application)
FR 1260359 A 20121030; CA 2885963 A 20130930; CN 201380057033 A 20130930; EP 13767010 A 20130930; EP 2013070341 W 20130930