

Title (en)

FRICION STIR EXTRUSION OF NONWELDABLE MATERIALS FOR DOWNHOLE TOOLS

Title (de)

RÜHRREIBEXTRUSION VON NICHT SCHWEISSBAREN MATERIALIEN FÜR BOHRLOCHWERKZEUGE

Title (fr)

EXTRUSION PAR FRICTION-MALAXAGE DE MATÉRIAUX NON SOUDABLES POUR OUTILS DE FOND DE TROU

Publication

EP 3166745 A1 20170517 (EN)

Application

EP 15745030 A 20150709

Priority

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- US 2015039787 W 20150709

Abstract (en)

[origin: WO2016007773A1] A non-weldable workpiece may be affixed to a weldable workpiece by friction stirring the weldable workpiece to plasticize and extrude at least a portion thereof into a recess in the non-weldable workpiece. The weldable workpiece may then be welded to a body of a downhole tool to enable the welding of a non-weldable workpiece onto a body to increase the wear-resistance of the body.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016007773A1

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