

Title (en)

ULTRA-HARD MATERIAL CUTTING ELEMENTS, METHODS OF FORMING THE SAME, AND BITS INCORPORATING THE SAME

Title (de)

SCHNEIDELEMENTE FÜR ULTRAHARTE MATERIALIEN, VERFAHREN ZUR HERSTELLUNG DAVON UND BOHRMEISSEL DAMIT

Title (fr)

ÉLÉMENTS DE COUPE DE MATÉRIAUX ULTRA-DURS, LEURS PROCÉDÉS DE FORMATION ET TRÉPANS DOTÉS DE CEUX-CI

Publication

EP 2909418 A4 20160720 (EN)

Application

EP 13848276 A 20130919

Priority

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Abstract (en)

[origin: US2014110180A1] The present disclosure relates to cutting tools incorporating polycrystalline diamond bodies used for subterranean drilling applications, and more particularly, to a polycrystalline diamond body joined to a substrate by a fastening member to form a cutting element. The polycrystalline diamond body may be binderless polycrystalline diamond, non-metal catalyst polycrystalline diamond, leached polycrystalline diamond, carbonate polycrystalline diamond or polycrystalline cubic boron nitride. The polycrystalline diamond body includes an aperture and a fastening member extending through the aperture and metallurgically bonded to the substrate by a HPHT process.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

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- See also references of WO 2014065965A1

Designated contracting state (EPC)

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