

Title (en)

DRILL BIT WITH SEAL HAVING SPHERES IN A MATRIX SEAL MATERIAL

Title (de)

BOHRMEISSEL MIT DICHTUNG MIT KUGELN IN EINEM MATRIXDICHTUNGSMATERIAL

Title (fr)

TRÉPAN DE FORAGE À JOINT D'ÉTANCHÉITÉ PRÉSENTANT DES SPHÈRES LOGÉES DANS UN MATÉRIAU D'ÉTANCHÉITÉ À MATRICE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013081606A1] A drill bit can include a seal which seals against a drill bit surface, the seal including a matrix seal material and a plurality of hollow spheres in the matrix seal material. Another drill bit can include a seal with a matrix seal material, spheres being more dense in a portion of the matrix seal material as compared to in the matrix seal material outside of the portion, and the portion of the matrix seal material being in dynamic sealing contact with a drill bit surface during operation. A drill bit can include a seal between a cone and a journal, the seal comprising a matrix seal material and a plurality of spheres in the matrix seal material, the matrix seal material comprising nitrile.

IPC 8 full level

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