

Title (en)

ROTARY CONE DRILL BIT HAVING A BIT BODY WITH INTEGRAL STABILIZERS

Title (de)

ROLLENBOHRMEISSEL MIT IM KÖRPER INTEGRIERTEN STABILISATOREN

Title (fr)

TREPAN CONIQUE ROTATIF AVEC UN CORPS POURVU DE STABILISATEURS INTEGRES

Publication

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Application

EP 99962728 A 19991110

Priority

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- US 10907398 P 19981118

Abstract (en)

[origin: WO0029709A2] A rotary cone drill bit for forming a borehole having a bit body with a plurality of stabilizer pads formed as integral components thereof. The bit body includes an upper portion adapted for connection to a drill string. A number of support arms preferably extend from a lower portion of the bit body. A number of cutter cone assemblies equal to the number of support arms are rotatably mounted on respective support arms and project generally downwardly and inwardly from each support arm. The stabilizer pads project radially outward from the bit body and are disposed intermediate adjacent support arms. Both the stabilizer pads and the support arms preferably have surfaces that form a fluid flow channel therebetween to direct drilling fluids and cuttings to flow upward in the borehole. Layer of hardfacing may be disposed on selected portions of each stabilizer pad. One or more inserts may be installed in selected portions of each stabilizer pad.

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