

Title (en)
DRILLING HEAD

Title (de)
BOHRKOPF

Title (fr)
TETE DE FORAGE

Publication
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Application
EP 97949845 A 19971216

Priority
• BE 9700135 W 19971216
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Abstract (en)
[origin: WO9827310A1] The invention concerns a drilling head of the type used in particular for boring oil wells, comprising a central body (2), cutting blades (3) projecting from the body (2), both in front of it in a drilling direction and on the sides of this same body (2), and cutting elements (9) in each blade (3) distributed over a front external surface (10) and on a lateral external surface (11) for calibrating the well. In this drilling head are arranged as cutting elements: in a central zone (13) of the front surface (10), on at least one blade (3): at least one cutting tip (12) in synthetic polycrystalline diamond compact, and in a remaining zone (14) of the front surface (10) of this blade, located beyond said central zone (13) relative to the rotation axis, and on the other blades: thermoresistant synthetic diamonds and/or impregnated diamond particles.

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