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 77380-3615 (US).</p> |
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 PCT/US2009/041193</p> | <p>(74) Agents: WELBORN, Brian, S. et al.; Intellectual Property Counsel, Baker Hughes Incorporated, P.O. Box 4740, Houston, TX 77210-4740 (US).</p> |
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 (75) Inventors/Applicants (<i>for US only</i>): BUSKE, Robert, J. [US/US]; 9110 Grogans Mill Road, The Woodlands, TX 77380-3615 (US). OVERSTREET, James, L. [US/US]; 9110 Grogans Mill Road, The Woodlands, TX</p> | |

[Continued on next page]

- (54) Title:** ANTI-TRACKING FEATURE FOR ROCK BITS

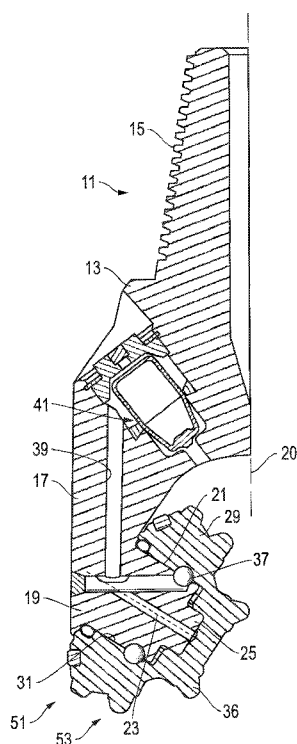


FIG. 1

(57) Abstract: The harmful effects of tracking are reduced for a drill bit having roller cones (29) with at least one of the outermost rows (51) of active teeth (35) containing one or more teeth (35) having a height (65) that does not extend to the height (67) of at least one of the outermost rows on another roller cone on the bit. The crest (63) on this tooth (35) may have a length (58) in a circumferential direction that is wider than an overall width (69) of the tooth (35) in the outer to inner direction. The invention may be used on any cutter row, not just the outermost row (51). The design may be used on a different roller cone or row, or more than one cutter row. The anti-tracking feature may be located between the leading and trailing edges (201) of the tooth (201) on one or more roller cones.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Korean Utility models and applications for Utility Models since 1975

Japanese Utility models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & keywords: "drill bit" and "tracking"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US7195086(Anna Victorovna Aaron) Mar 27, 2007 See abstract and Fig 1	1-15
A	US5323865(Baker Hughes Incorporated) Jun 28, 1994 See fig 2-3, and claims	1-15
A	US5671817(Cameco International Inc.,) Sep 30, 1997 See fig 1-3, claims	1-15
A	US3442342(Hughes Tool Company) May 6, 1969 See fig 1-2	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

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Information on patent family members

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