

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 December 2010 (09.12.2010)

(10) International Publication Number
WO 2010/141579 A3

- (51) **International Patent Classification:**
E21B 10/56 (2006.01) E21B 10/42 (2006.01)
E21B 10/54 (2006.01)
- (21) **International Application Number:**
PCT/US2010/037062
- (22) **International Filing Date:**
2 June 2010 (02.06.2010)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
12/478,806 5 June 2009 (05.06.2009) US
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(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) **Title:** CUTTING ELEMENTS INCLUDING CUTTING TABLES WITH SHAPED FACES CONFIGURED TO PROVIDE CONTINUOUS EFFECTIVE POSITIVE BACK RAKE ANGELES, DRILL BITS SO EQUIPPED AND METHODS OF DRILLING

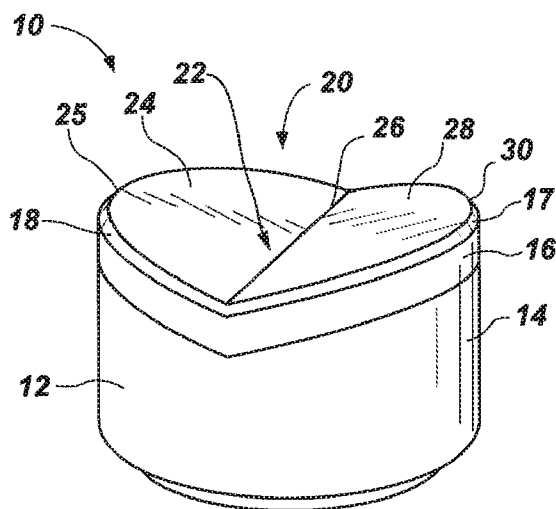


FIG. 1

(57) **Abstract:** A cutting element for a drag-type earth-boring drill bit includes a cutting table with a face including a region that is configured cut into a formation at an effective positive back rake angle and to direct formation cuttings, or chips, that have been cut from the earth formation toward the hydraulics of the drill bit. Drill bits that include one or more cutting elements that have been configured in this manner are also disclosed. Such a drill bit may also include a wear pad for limiting the depth to which a cutting element penetrates a surface of a bore hole in an earth formation. Such a wear pad may have a substantially constant thickness. Methods for removing material from earth formations are also disclosed.

WO 2010/141579 A3



Published:

(88) Date of publication of the international search report:

31 March 2011

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

A. CLASSIFICATION OF SUBJECT MATTER*E21B 10/56(2006.01)i, E21B 10/54(2006.01)i, E21B 10/42(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

E21B 10/56; E21B 7/00; E21B 10/00; E21B 10/46

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: 'cutter'

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008-0264696 A1 (DOURFAYE et al.) 30 October 2008	1-7, 15-17
Y	See the abstract; figures 3-9; paragraphs [0043]-[0063]	8-14, 18
Y	US 6659199 B2 (SWADI) 09 December 2003 See the abstract; figures 1,3,4; column 4	8-14, 18
X	US 2008-0006448 A1 (ZHANG et al.) 10 January 2008 See the abstract; figures 1,7,9; paragraphs [0006],[0049]	1-6, 8, 15-17

 Further documents are listed in the continuation of Box C. See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

31 JANUARY 2011 (31.01.2011)

Date of mailing of the international search report

07 FEBRUARY 2011 (07.02.2011)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu,
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Facsimile No. 82-42-472-7140

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Telephone No. 82-42-481-8446



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/037062

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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