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(71) Applicant (for all designated States except US): **BAKER HUGHES INCORPORATED** [US/US]; P.O. Box 4740, Houston, TX 77210-4740 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FELDERHOFF, Floyd** [US/US]; 20248 Havenshire Drive, Montgomery, TX 77316 (US). **ISELL, Matthew, R.** [US/US]; 1102 West Temple, Houston, TX 77009 (US). **PESSIER, Rudolf, C.** [US/US]; 11 East Honey Grove Place, The Woodlands, TX 77382 (US).

(74) Agents: **WELBORN, Brian, S.** et al.; Baker Hughes Incorporated, P. O. Box 4740, Houston, TX 77210-4740 (US).

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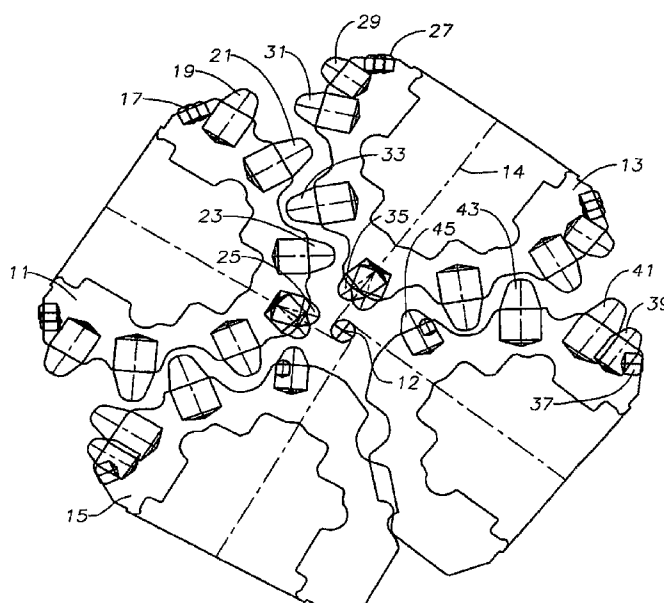
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(54) Title: CUTTING STRUCTURE FOR EARTH-BORING BIT TO REDUCE TRACKING



(57) Abstract: An earth boring bit has cutting elements arranged to avoid tracking. The bit has a bit body having a bit axis of rotation. First, second and third cones are rotatably mounted to the bit body, each of the cones having a plurality of rows of cutting elements including a heel row and an adjacent row. The heel row of the first cone has at least equal the number of cutting elements as the heel rows of the other cones. The adjacent row of the second cone has at least 90 percent as many cutting elements as the heel row of the first cone. The heel row of the third cone has a pitch that is in the range from 20-50% greater than the heel rows of the first cone.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
E21B

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

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

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

van Berlo, André

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