

(19) World Intellectual Property Organization
International Bureau



PCT



(43) International Publication Date
28 February 2008 (28.02.2008)

(10) International Publication Number
WO 2008/024209 A3

- (51) **International Patent Classification:**
B29D 22/00 (2006.01)

(21) **International Application Number:**
PCT/US2007/017676

(22) **International Filing Date:** 8 August 2007 (08.08.2007)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**
11/509,421 23 August 2006 (23.08.2006) US

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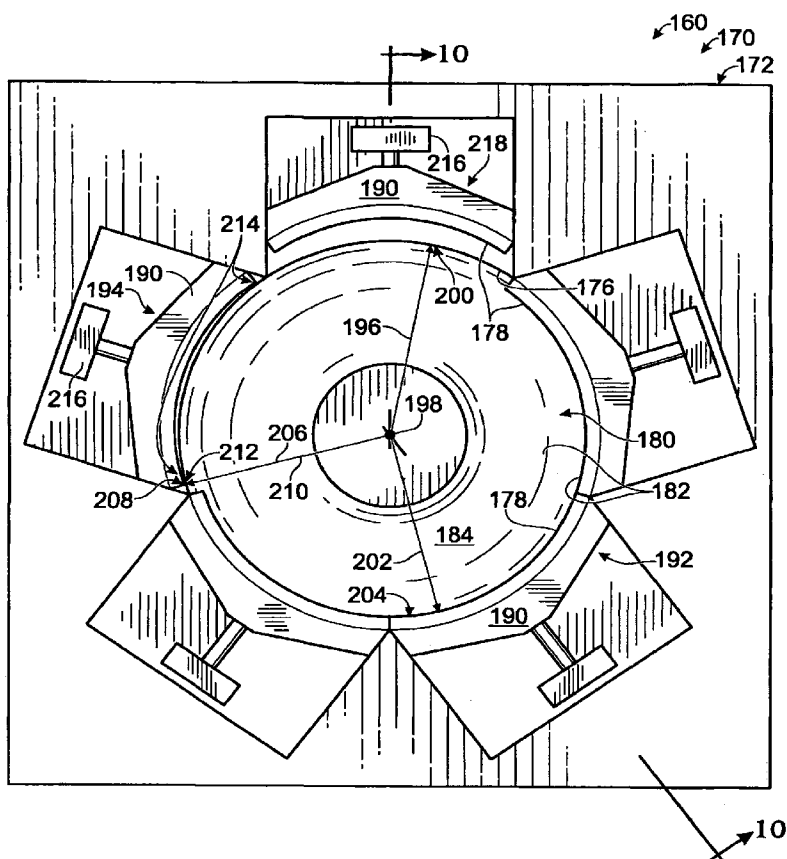
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(81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL,

[Continued on next page]

(54) Title: BLOW-MOLDED WHEELS HAVING UNDERCUT TREADS, METHODS FOR PRODUCING THE SAME, AND CHILDREN'S RIDE-ON VEHICLES INCLUDING THE SAME



(57) Abstract: Improved blow-molded wheels, methods for producing the same, and children's ride-on vehicles including the same are disclosed. The blow-molded wheels may include a blow-molded body that has a tread surface, first and second sidewalls and an axis. The body may be configured to rotate about the axis. The tread surface may extend circumferentially around the body and may extend between the first and second sidewalls. A first region of the tread surface may be disposed between the first sidewall and a part line of the blow-molded body. A second region of the tread surface may be disposed between the first region and the part line. A first radial distance from the axis to the first region may exceed a second radial distance from the axis to the second region by at least a first predetermined threshold.



PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report*

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

10 April 2008

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/17676

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B29D 22/00 (2007.10)

USPC - 264/501

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)

USPC: 264/501

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 264/326; 301/64.701, 111.01 (text search - see terms below)

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

PubWEST(USPT,PGPB,EPAB,JPAB); Google Scholar; Google Patents

Search Terms: blow-molded, wheel, front, racing, tire, off-road, tread, tractor, agricultural, longitudinal, adjustable, depth, variable, mold

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,464,305 B2 (Markling) 15 October 2002 (15.10.2002), Fig 1, col 1, ln 57-59, col 2, ln 42-52	27-37

Y		1-26 and 38
Y	US 6,470,982 B2 (Sitarski et al.) 29 October 2002 (29.10.2002), col 2, ln 43-45, col 3, ln 7-14, 18-26 and 33-39	1-10, 26 and 38
Y	US 3,135,997 A (J. A. Smyser) 09 June 1964 (09.06.1964), col 6, ln 44-47	11-26
Y	US 3,570,057 A (R. Doyle) 16 March 1971 (16.03.1971), col 3, ln 4-8	19

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

06 December 2007 (06.12.2007)

Date of mailing of the international search report

29 JAN 2008

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