

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/037484**A. CLASSIFICATION OF SUBJECT MATTER*****B60C 9/18(2006.01)i, B60C 9/20(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)

B60C 9/18; A61L 9/04; B29H 17/36; B60C 11/24; B60C 5/00; B60C 1/00

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: tire, tread, side wall, fragrant, odor, scent, aroma, wear, polymeric wall, microcapsule, thermal, indicator

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010-0193094 A1 (RONALD JOHN ROSENBERGER) 05 August 2010	1,2,15
Y	See abstract and paragraph 0027, 0028, 0030, 0032, 0035	7-14
A		3-6
X	KR 10-0462203 B1 (HANKOOK TIRE CO.,LTD) 17 December 2004	1,2
A	See abstract, pages 1, 2 and figures 1, 2	3-15
Y	US 2007-0043139 A1 (SUN-NY CHO et al.) 22 February 2007	7-14
A	See abstract and paragraphs 0013, 0020, 0022, 0024	1-6,15
A	US 04756353 A (KARL-HEINZ NORDSIEK et al.) 12 July 1988	1-15
	See abstract and column 1	



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

24 OCTOBER 2012 (24.10.2012)

Date of mailing of the international search report

29 OCTOBER 2012 (29.10.2012)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/037484

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010-0193094 A1	05.08.2010	US 2008-271347 A1	06.11.2008
KR 10-0462203 B1	17.12.2004	None	
US 2007-0043139 A1	22.02.2007	AT 482993 T	15.10.2010
		CA 2531756 A1	18.02.2007
		CA 2531756 C	26.01.2010
		CN 1916066 A	21.02.2007
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		DE 602005023861 D1	11.11.2010
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		JP 2007-051265 A	01.03.2007
		KR 10-0727403 B1	12.06.2007
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		JP 04-049864 B	12.08.1992
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