



EP 2 420 297 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
07.03.2012 Bulletin 2012/10

(51) Int Cl.:
A63B 37/00 (2006.01) **A63B 37/12** (2006.01)

(43) Date of publication A2:
22.02.2012 Bulletin 2012/08

(21) Application number: 11177880.9

(22) Date of filing: 18.08.2011

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**

Designated Extension States:
BA ME

(30) Priority: 20.08.2010 US 375775 P
04.08.2011 US 198554

(71) Applicant: **Nike International Ltd.**
Beaverton,
Oregon 97005-6453 (US)

(72) Inventor: **Molinari, Arthur**
Beaverton, Oregon 97005 (US)

(74) Representative: **Grünecker, Kinkeldey,**
Stockmair & Schwanhäusser
Anwaltssozietät
Leopoldstrasse 4
80802 München (DE)

(54) **Golf ball having high initial velocity**

(57) A multi-layer ball includes a core made of a high energy material such as a highly neutralized polymer and a cover made of a deadening material. A specified relationship exists between the compression and coefficient of restitution of the core and of the ball. The initial velocity of the ball is higher than what would be expected based on the coefficient of restitution of the ball compared to prior balls. The use of the deadening material allows the coefficient of restitution of the ball to be relatively low, which can yield improved spinnability in the half wedge shots while maintaining driver distance.

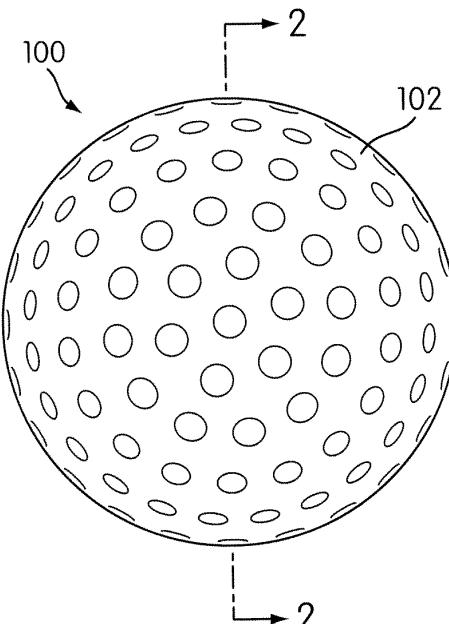


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 11 17 7880

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2007/093317 A1 (WU SHENSHEN [US] ET AL) 26 April 2007 (2007-04-26) * paragraphs [0269], [0271], [0321], [0325] * -----	1,2,4-9	INV. A63B37/00 A63B37/12
			TECHNICAL FIELDS SEARCHED (IPC)
			A63B
2	The present search report has been drawn up for all claims		
	Place of search	Date of completion of the search	Examiner
	Munich	1 February 2012	Tejada Biarge, Diego
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 11 17 7880

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

01-02-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007093317	A1 26-04-2007	NONE	

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82