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(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.

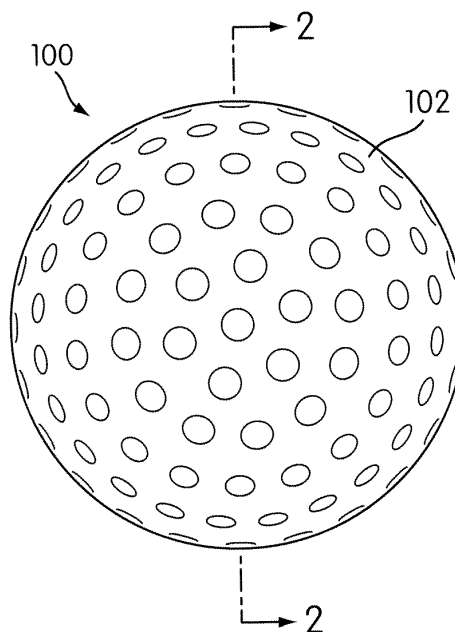


FIG. 1

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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
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 1 February 2012	Examiner Tejada Biarge, Diego
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPO FORM 1503 03.02 (P04/C01)

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

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