

Title (en)  
TWO-PIECE GOLF BALL

Title (de)  
ZWEITEILIGER GOLFBALL

Title (fr)  
BALLE DE GOLF EN DEUX PARTIES

Publication  
**EP 3181199 A3 20170719 (EN)**

Application  
**EP 16193917 A 20161014**

Priority  
JP 2015242909 A 20151214

Abstract (en)  
[origin: EP3181199A2] A golf ball (2) includes a core (4) and a cover (6). A value V calculated by the following mathematical formula is equal to or less than 1080 Hz.  $V = NF(2)^2 - \frac{2}{3} * NF(2)^1$  In the mathematical formula, NF(2)<sup>1</sup> represents a secondary natural frequency of the core (4), and NF(2)<sup>2</sup> represents a secondary natural frequency of the golf ball (2). A difference (H1s-H1o) between a Shore C hardness (H1s) at a surface of the core (4) and a Shore C hardness (H1o) at a central point of the core (4) is equal to or greater than 10. An amount of compressive deformation (Df1) of the core (4) is equal to or greater than 4,1 mm.

IPC 8 full level  
**A63B 37/00** (2006.01)

CPC (source: CN EP KR US)  
**A63B 37/0003** (2013.01 - CN); **A63B 37/0023** (2013.01 - CN); **A63B 37/0031** (2013.01 - EP KR US); **A63B 37/0033** (2013.01 - EP KR US); **A63B 37/005** (2013.01 - CN); **A63B 37/0051** (2013.01 - US); **A63B 37/006** (2013.01 - KR); **A63B 37/0061** (2013.01 - CN); **A63B 37/0063** (2013.01 - EP KR US); **A63B 37/0065** (2013.01 - EP KR US); **A63B 37/0074** (2013.01 - CN EP KR US); **A63B 37/008** (2013.01 - US); **A63B 37/0083** (2013.01 - US); **A63B 37/0087** (2013.01 - US); **A63B 37/0088** (2013.01 - EP KR US); **A63B 37/009** (2013.01 - US); **A63B 37/0094** (2013.01 - US); **A63B 37/0096** (2013.01 - US); **A63B 37/06** (2013.01 - CN); **A63B 2102/32** (2015.10 - KR)

Citation (search report)

- [A] US 6123629 A 20000926 - YAMAGUCHI TETSUO [JP], et al
- [AD] US 5971870 A 19991026 - SULLIVAN MICHAEL J [US], et al
- [A] US 6589124 B1 20030708 - MARUOKA KIYOTO [JP], et al
- [A] WO 0110511 A1 20010215 - SPALDING SPORTS WORLDWIDE INC [US]

Designated contracting state (EPC)  
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 state (EPC)  
BA ME

DOCDB simple family (publication)  
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**EP 16193917 A 20161014**; CN 201610966542 A 20161028; JP 2015242909 A 20151214; KR 20160122906 A 20160926; US 201615292559 A 20161013