

Title (en)
GOLF BALL

Title (de)
GOLFBALL

Title (fr)
BALLE DE GOLF

Publication
EP 3178530 A1 20170614 (EN)

Application
EP 16200870 A 20161128

Priority
JP 2015238800 A 20151207

Abstract (en)
A golf ball 2 has a plurality of dimples on a surface thereof. A ratio So of a sum of areas of the dimples relative to a surface area of a phantom sphere of the golf ball is equal to or greater than 81.0%. A ratio Rs of a number of the dimples each having a diameter of equal to or greater than 9.60% but equal to or less than 10.37%, of a diameter of the golf ball, relative to a total number of the dimples, is equal to or greater than 50%. A dimple pattern of each hemisphere of the phantom sphere includes three units that are rotationally symmetrical to each other. A dimple pattern of each unit includes two small units that are mirror-symmetrical to each other. The golf ball meets the following mathematical formula (1). Rs #¥ ## 2.5 * So + 273

IPC 8 full level
A63B 37/00 (2006.01)

CPC (source: CN EP KR US)
A63B 37/00065 (2020.08 - CN EP KR US); **A63B 37/0012** (2013.01 - EP US); **A63B 37/0016** (2013.01 - KR); **A63B 37/0017** (2013.01 - EP KR US); **A63B 37/0018** (2013.01 - EP KR US); **A63B 37/0019** (2013.01 - EP US); **A63B 37/002** (2013.01 - EP US); **A63B 37/0021** (2013.01 - CN EP KR US); **A63B 37/0064** (2013.01 - EP US); **A63B 37/0075** (2013.01 - EP US); **A63B 37/008** (2013.01 - EP US); **A63B 37/14** (2013.01 - CN)

Citation (applicant)
• JP 2009172192 A 20090806 - SRI SPORTS LTD
• US 2009191982 A1 20090730 - KIM HYOUNGCHOL [JP], et al
• JP 2012010822 A 20120119 - SRI SPORTS LTD
• US 2012004053 A1 20120105 - KIM HYOUNGCHOL [JP]
• JP 2007175267 A 20070712 - SRI SPORTS LTD
• US 2007149321 A1 20070628 - SAJIMA TAKAHIRO [JP]
• JP 2007195591 A 20070809 - SRI SPORTS LTD
• US 2007173354 A1 20070726 - SAJIMA TAKAHIRO [JP]
• JP 2013153966 A 20130815 - DUNLOP SPORTS CO LTD
• US 2013196791 A1 20130801 - SAJIMA TAKAHIRO [JP], et al
• JP 2008212681 A 20080918 - BRIDGESTONE SPORTS CO LTD
• US 2008214324 A1 20080904 - NANBA ATSUSHI [JP], et al
• JP 2008194471 A 20080828 - BRIDGESTONE SPORTS CO LTD
• US 7344455 B1 20080318 - HIGUCHI HIROSHI [JP]

Citation (search report)
• [X] US 8651978 B2 20140218 - SAJIMA TAKAHIRO [JP], et al
• [A] US 2005014577 A1 20050120 - SASAKI TAKASHI [JP], et al
• [A] US 2006025240 A1 20060202 - ENDO SEIICHIRO [JP], et al
• [A] US 7112149 B2 20060926 - SAJIMA TAKAHIRO [JP], et al

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)
EP 3178530 A1 20170614; **EP 3178530 B1 20190109**; CN 107007977 A 20170804; CN 107007977 B 20200505; JP 2017104188 A 20170615; JP 6776529 B2 20201028; KR 102602816 B1 20231115; KR 20170067132 A 20170615; US 2017157468 A1 20170608

DOCDB simple family (application)
EP 16200870 A 20161128; CN 201610879585 A 20161008; JP 2015238800 A 20151207; KR 20160122796 A 20160926; US 201615338889 A 20161031