

Title (en)  
GOLF CLUB SHAFT

Title (de)  
GOLFSCHLÄGERSCHAFT

Title (fr)  
TIGE DE CLUB DE GOLF

Publication  
**EP 2891508 A1 20150708 (EN)**

Application  
**EP 13833534 A 20130829**

Priority  
• JP 2012191090 A 20120831  
• JP 2013073212 W 20130829

Abstract (en)  
The present invention provides a high-balance-point shaft capable of increasing ball speed. A golf club shaft formed by laminating fiber-reinforced resin, wherein the balance point obtained by formula below is set to be 53% or higher; and the kickpoint obtained by formula below is set to be 44% or higher.

IPC 8 full level  
**A63B 53/10** (2015.01); **A63B 59/00** (2015.01)

CPC (source: EP KR US)  
**A63B 53/10** (2013.01 - EP KR US); **A63B 60/42** (2015.10 - EP KR US); **A63B 60/0081** (2020.08 - 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)  
**EP 2891508 A1 20150708**; **EP 2891508 A4 20150805**; **EP 2891508 B1 20180425**; CN 104582800 A 20150429; CN 104582800 B 20160511; JP 5633654 B2 20141203; JP WO2014034803 A1 20160808; KR 101557615 B1 20151005; KR 20150034295 A 20150402; US 2015297963 A1 20151022; US 2018015339 A1 20180118; WO 2014034803 A1 20140306

DOCDB simple family (application)  
**EP 13833534 A 20130829**; CN 201380044902 A 20130829; JP 2013073212 W 20130829; JP 2013541125 A 20130829; KR 20157005814 A 20130829; US 201314423470 A 20130829; US 201715716438 A 20170926