

Title (en)
BADMINTON SHUTTLECOCK

Title (de)
FEDERBALL FÜR FEDERBALLSPIEL

Title (fr)
VOLANT DE BADMINTON

Publication
EP 3015139 A4 20170215 (EN)

Application
EP 14817822 A 20140625

Priority
• JP 2013136384 A 20130628
• JP 2014066792 W 20140625

Abstract (en)
[origin: EP3015139A1] A badminton shuttlecock (1) that can be manufactured in a simple manufacturing process and exhibits high durability includes: a base body; and a plurality of shuttlecock feathers fixed to the base body. The base body includes a tip end portion and a reinforcing member (2c) disposed on a part of a surface of the tip end portion. The reinforcing member (2c) is provided with a plurality of fixing holes (63), and a shaft (7) of each of the shuttlecock feathers is inserted through a corresponding one of the plurality of fixing holes (63) and fixed therein. A first region on an inner circumferential surface of each of the fixing holes (63) is formed so as to extend along a first portion on a surface of the shaft (7) of each of the shuttlecock feathers, and is in contact with the first portion on the surface of the shaft (7) of each of the shuttlecock feathers.

IPC 8 full level
A63B 67/187 (2016.01); **A63B 67/19** (2016.01)

CPC (source: EP US)
A63B 67/187 (2016.01 - EP US); **A63B 67/19** (2016.01 - EP); **A63B 2209/00** (2013.01 - EP US)

Citation (search report)
• [X] KR 20110065237 A 20110615 - CHO MOON GEUN [KR]
• [X] KR 20110126204 A 20111123 - KIM HYOUNG JOO [KR]
• [Y] WO 2010038657 A1 20100408 - MIZUNO KK [JP], et al
• [Y] US 2217032 A 19401008 - TIMPE ATWOOD M
• See references of WO 2014208577A1

Cited by
CN112076451A

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

DOCDB simple family (publication)
EP 3015139 A1 20160504; EP 3015139 A4 20170215; CN 105339055 A 20160217; CN 105339055 B 20170804; HK 1220419 A1 20170505; JP 2015008889 A 20150119; JP 5947249 B2 20160706; KR 102017374 B1 20190902; KR 20160025562 A 20160308; MY 169419 A 20190402; TW 201524557 A 20150701; TW I602600 B 20171021; WO 2014208577 A1 20141231

DOCDB simple family (application)
EP 14817822 A 20140625; CN 201480036550 A 20140625; HK 16108430 A 20160718; JP 2013136384 A 20130628; JP 2014066792 W 20140625; KR 20167001509 A 20140625; MY PI2015704623 A 20140625; TW 103121834 A 20140625