

Title (en)
SHUTTLECOCK

Title (de)
FEDERBALL

Title (fr)
VOLANT DE BADMINTON

Publication
EP 3932500 A4 20221109 (EN)

Application
EP 19916934 A 20191224

Priority
• JP 2019035517 A 20190228
• JP 2019050567 W 20191224

Abstract (en)
[origin: EP3932500A1] A shuttlecock 1 includes: a base portion 2; and a plurality of artificial feathers 10 arranged in an annular shape on the base portion 2. The artificial feathers 10 each includes a feather portion 12 and a feather shaft portion 14 that supports the feather portion 12. Letting a rotation direction be a counterclockwise direction centered about a central axis of the shuttlecock in a view from a side opposite to the base portion 2, a virtual straight line M is outward with respect to a virtual straight line N, on a downstream side of the feather shaft portion 14 in the rotation direction; the virtual straight line M is a line connecting a downstream end of the feather portion 12 in the rotation direction and a central portion of the feather shaft portion 14, and the virtual straight line N is a line connecting an upstream end of the feather portion 12 in the rotation direction and the central portion of the feather shaft portion 14.

IPC 8 full level
A63B 67/19 (2016.01)

CPC (source: EP)
A63B 67/19 (2016.01); **A63B 2102/04** (2015.10)

Citation (search report)
• [X] EP 2769754 A1 20140827 - YONEX KABUSHIKI KAISHA JOINT STOCK COMPANY OF JAPAN [JP]
• [X] CN 102527009 A 20120704 - TAIPING LI
• [X] JP 2011239810 A 20111201 - TOYO PLASTIC SEIKO CO LTD
• See also references of WO 2020174854A1

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 3932500 A1 20220105; EP 3932500 A4 20221109; CN 113631235 A 20211109; JP 2020137804 A 20200903; JP 7267035 B2 20230501; TW 202033245 A 20200916; TW I770456 B 20220711; WO 2020174854 A1 20200903

DOCDB simple family (application)
EP 19916934 A 20191224; CN 201980093064 A 20191224; JP 2019035517 A 20190228; JP 2019050567 W 20191224; TW 109100417 A 20200107