

Title (en)
SHUTTLECOCK

Title (de)
FEDERBALL

Title (fr)
VOLANT DE BADMINTON

Publication
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Application
EP 18895735 A 20181207

Priority
• MY PI2017001865 A 20171215
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Abstract (en)
[origin: WO2019132649A1] The invention relates to a shuttlecock (1). The shuttlecock (1) comprises a tip (9) having a recessed upper lip (3), a recessed lower lip (7) and a base (5) formed between the recessed upper lip (3) and the recessed lower lip (7). The shuttlecock (1) has a plurality of segments (29) extending away from the recessed lower lip (7), integrally formed and arranged in an annular array. Each of the plurality of segments (29) has a pair of spaced apart, diverging stems (11) with a blade (15) provided between the stems (11) at the end of the segment (29) distal from the recessed lower lip (7). The blade (15) comprises a plurality of perforations (17) thereon. There is a sizable central opening (13) formed at the centre portion of each of the plurality of segments (29) wherein the central opening (13) of the segment (29) is configured to allow passage of cross wind to reduce cross wind interference and the reduced mass of the segments (29) beyond the lower lip (7) resulting in the centre of gravity of the shuttlecock (1) being moved closer to the tip (9).

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Citation (search report)
• [X] GB 2279580 A 19950111 - CHENG PETER SHU CHUN [CA]
• [X] GB 2059271 A 19810423 - REINFORCED SHUTTLECOCKS LTD
• [A] US 3904205 A 19750909 - ROBINSON MAURICE
• [A] GB 1386697 A 19750312 - DUNLOP LTD
• [A] GB 1103364 A 19680214 - CARLTON TYRE SAVING CO LTD
• See also references of WO 2019132649A1

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KR 20200099142 A 20200821; MY 188783 A 20211230; TW 201927380 A 20190716; TW I705842 B 20201001

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