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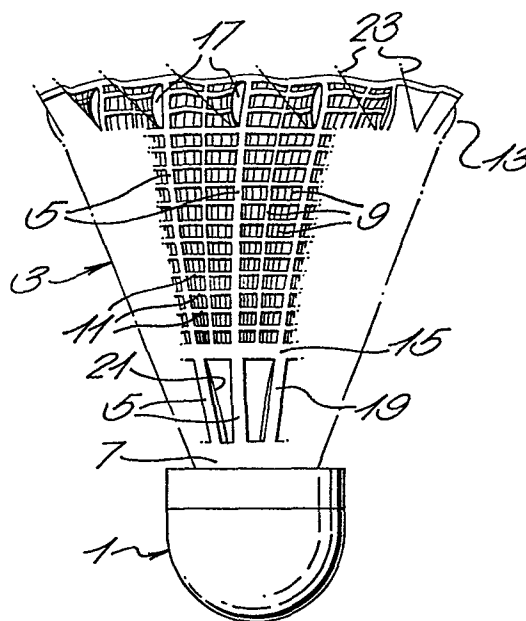
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(54) **Shuttlecocks.**

(57) A shuttlecock comprising a cap portion (1) and a plastics skirt (3) in the form of a truncated conical lattice structure having main stems (5) interconnected by ribs (11) with further intermediate stems (9) located between the main stems, the lattice structure in the vicinity of the wide end of the skirt being convoluted with the flutings extending at an acute angle, preferably 45° to the longitudinal axis of the shuttlecock, and being so orientated as to make the shuttlecock spin and otherwise behave as a feathered shuttlecock.

Preferably, slots (17) or slits are provided in the skirt at its wide end and the convolutions extend approximately from one end of one slot to the opposite end of an adjacent slot. The convolutions are formed by deforming the skirt material inwardly and this has the effect of slightly widening the slits in the shuttlecock.

Although preferred, the ribs, at least at the wide end of the skirt, need not be provided, and could be replaced by plastics flumes.





European Patent
Office

EUROPEAN SEARCH REPORT

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Application number

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p>GB - A - 1 103 364 (THE CARLTON TYRE SAVING COMPANY LTD)</p> <p>* Figures 1,2 and 4; page 1, lines 40-90; page 2, lines 1-47 *</p> <p>--</p> <p>GB - A - 996 695 (THE CARLTON TYRE SAVING COMPANY LTD)</p> <p>* Claim 2 *</p> <p>--</p> <p>US - A - 2 163 236 (COLLIER)</p> <p>* Figures 6,7; page 2, column 1, lines 45-46; page 2, column 2, lines 1-21 *</p> <p>----</p>	<p>1,2</p> <p>1,2</p> <p>6</p>	<p>A 63 B 67/18</p> <p>TECHNICAL FIELDS SEARCHED (Int. Cl.³)</p> <p>A 63 B</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons</p> <p>&: member of the same patent family, corresponding document</p>
<p><input checked="" type="checkbox"/> The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
The Hague	06-11-1980	NOESEN	