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(54) **Flexible light protection structure, resistant to all kind of impacts, capable of absorbing shocks**

(57) This invention is about a flexible light protection structure, that can be used as a knee pad, ankle support, thigh support, etc.. This invention is also the base structure for the construction of helmets, chest protectors or even protective gloves, that are usually required when practicing sports in general. The structure of the present invention is very light and flexible and has a great capacity for absorbing shocks without translating them. This invention relates to a mesh (2) conformed by interwoven helical straps (1). The mesh (2) is folded onto itself defining at least one internal cavity where ribs (5,6,7,8) are housed for rigidity purposes. The mesh (2) can be made of any material such as plastic, artificial fibers or metal. The inclusion of rigid reinforcing rods (12,13,14,15) intercalated with the helical straps (1) is also provided.

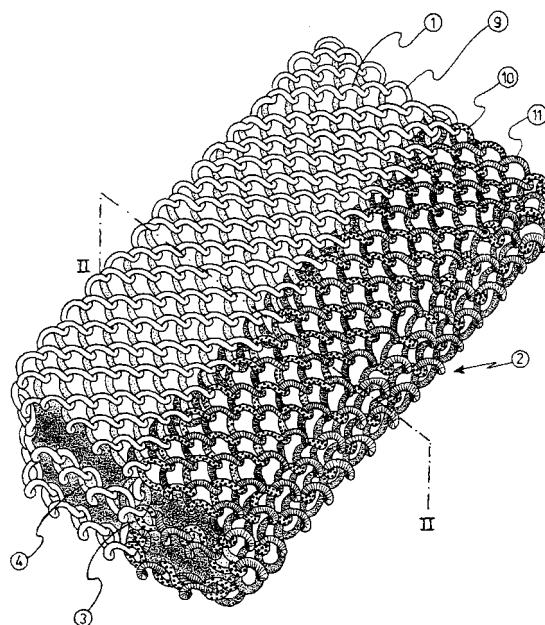


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 99 50 0039

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) A63B
Place of search THE HAGUE		Date of completion of the search 17 March 2000	Examiner Levert, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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