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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.

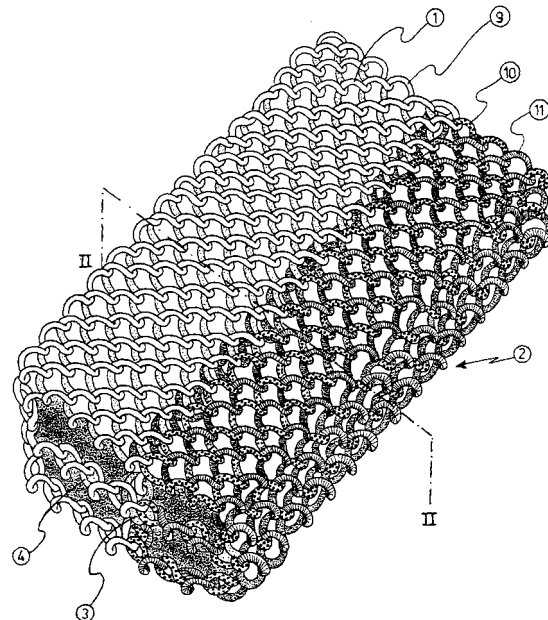


FIG. 1



European Patent
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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)
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Place of search	Date of completion of the search	Examiner	
THE HAGUE	17 March 2000	Levert, C	
CATEGORY OF CITED DOCUMENTS		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	
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82