

①⑫

**EUROPEAN PATENT APPLICATION**

②① Application number: **85830266.4**

⑤① Int. Cl.<sup>4</sup>: **A 41 D 1/08**  
**A 41 F 9/02**

②② Date of filing: **23.10.85**

③⑩ Priority: **24.10.84 IT 2360084 U**

④③ Date of publication of application:  
**30.04.86 Bulletin 86/18**

⑧④ Designated Contracting States:  
**AT BE CH DE FR GB LI LU NL SE**

⑦① Applicant: **ELLESSE INTERNATIONAL S.p.A.**

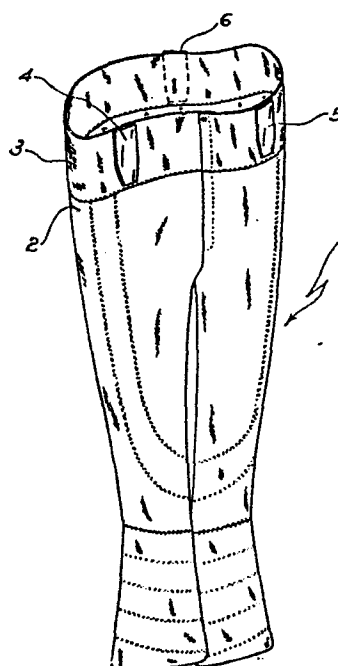
**Ellera Umbra(IT)**

⑦② Inventor: **Servadio, Leonardo**  
**Palazzo Mattoni, 100**  
**Vocabolo (Taverna di Corciano)(IT)**

⑦④ Representative: **Pizzoli, Pasquale et al,**  
**c/o Società Italiana Brevetti Via G. Carducci 8**  
**I-20123 Milano(IT)**

⑤④ **Ski trousers with elastic waistband.**

⑤⑦ Ski trousers (1) with an integral elastic waistband (3) having a plurality of spaced vertically oriented stiffeners (4, 5 ...6) which have sufficient flexibility in order not to hinder front-wise bendings of the wearer, provide a truly comfortable waist support.



"SKI TROUSERS WITH ELASTIC WAISTBAND"

The present invention relates to improved ski trousers, particularly to ski trousers wherein the top portion thereof is formed by an elastic waistband having an  
5 height of at least 6 cm.

In the practice of skiing it is known that the vertebrae of skiers, especially those near the pelvis, represent one of the most stressed zones easily subjected to overfatigue or even to the risk of more serious inconveniences. Because of this, skiers, especially those  
10 practicing agonistic activity, resort, ever more often, to use of wear elastic belts and waistbands of the traditional kind. Nevertheless the use thereof gives rise to other nuisances due, for example, to the curling  
15 of the edges of such elastic waistbands, to their tendency to shift during use etc.

It is an object of the present invention to provide a new type of ski trousers which offers to the skier the desired waist support without the inconveniences  
20 arising from the use of traditional elastic waistbands. Such an object is achieved, in accordance with the present invention, by making the top portion of the trousers, that is, that near the waist-line, with a suitable elastic material having elasticity in the circumferential direction  
25 and a height of at least 6 cm, and more preferably comprised between 9 and 18 cm.

Ski trousers in accordance with the present invention

offer the advantage, besides that of supporting the waist of the skier, of improving the thermal conditions of the part of the body concerned. These and other advantages of the trousers according to the present invention will become clear to the expert in the field through the following detailed description of one embodiment thereof making reference to the drawing which shows a schematic view of the trousers according to the present invention.

10 With reference to the appended Figure, it is observed that ski trousers 1, which may be made either with elastic fabric or with other type of fabric, have their top portion, that is the portion comprised between the edge of the hip pocket 2 and the rim of the trousers, made entirely with elastic material having elasticity in the circumferential direction which forms a kind of waistband 3. The height of such a band is at least 6 cm, however it is preferably comprised between 9 and 18 cm. A suitable elastic material for making the band 3 is for example the material used to make elastic belts for motorcyclists.

According to a preferred embodiment of the invention, on the waistband 3 there are at least three non-elastic stiffeners 4, 5 and 6. Such stiffeners, besides effectively preventing curling of the waistband 3, co-operate to improve the general comfort of the wearer. The material suitable for such stiffeners must possess a certain rigidity together with a sufficient flexibility in the longitudinal sense thereof. Such flexibility is preferably greater for the stiffeners 4 and 5 such as not to disturb the front-wise bendings of the skier.

Such stiffeners may be made with suitable mixtures of rubber or plastics.

The top portion of stiffeners 4, 5 and 6 may advantageously be shaped as to provide firm anchoring points  
5 for suspenders.

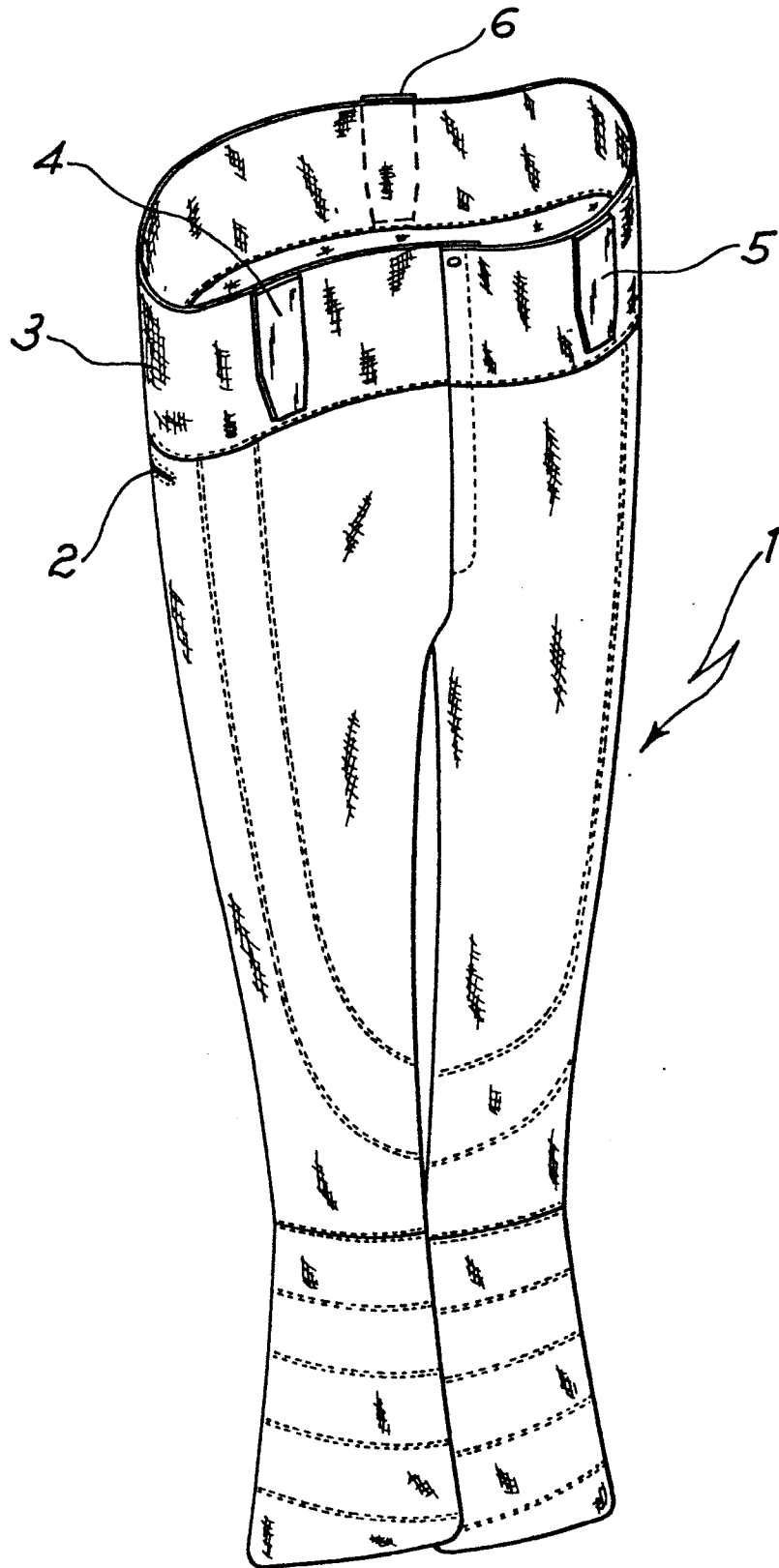
CLAIMS

1. Ski trousers of elastic or non-elastic fabric,  
characterized in that their top portion is made with  
a band of elastic material having elasticity in the  
circumferential direction and having an height at least  
5 6 cm.

2. Ski trousers according to claim 1, wherein the  
height of said band of elastic material is comprised  
between 9 and 18 cm.

3. Ski trousers according to claim 1, wherein at  
10 least three flexible stiffeners suitably spaced along  
the circumference on said elastic material are applied.

4. Ski trousers of claim 3, wherein the stiffeners  
applied on the front portion of the trousers are more  
flexible than those applied on the rear portion thereof.  
15





European Patent  
Office

# EUROPEAN SEARCH REPORT

0179744  
Application number

EP 85 83 0266

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	FR-A-1 470 462 (CH. GROS) * Whole document *	1,2	A 41 D 1/08 A 41 F 9/02
A	--- US-A-1 406 794 (RAWLINGS MFG CO.) * Page 1, lines 36-110; page 2, lines 1-14; claims 1-8; figures *	1,3,4	
A	--- CH-A- 271 096 (GANZONI) * Page 2, column 1; column 2, paragraphs 1,2; figures *	1,3	
A	--- DE-A-2 203 970 (KLEIDERFABRIK O. HABERER) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			A 41 D A 41 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30-01-1986	Examiner GARNIER F.M.A.C.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			