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(54) **Riding trousers having an antiskid insert**

(57) A horse-riding trousers (1) is proposed with ergonomic antiskid insert (3), wherein said ergonomic antiskid insert (3) is formed by a siliconized fabric (4) with structured outer surface and is provided in the internal area of the legs up to and on the knee or as a patch, in limited zones in the interior of the legs and/or at the knee.

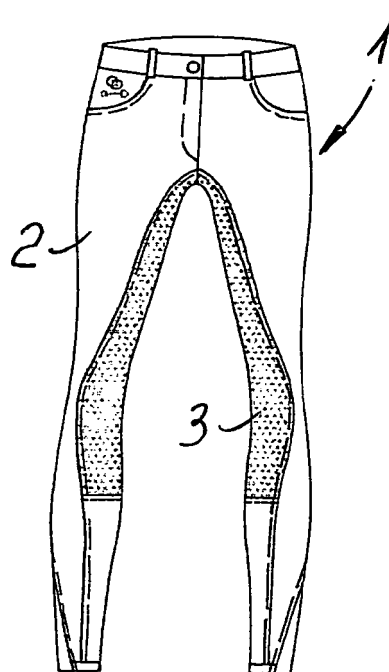


Fig. 1

Description**Description of the invention**Field of use

[0001] The present invention refers to a horse-riding trousers with antiskid insert according to the preamble of claim 1.

Technological background and state of the art

[0002] As known, during horse riding activities and sports it there arises the need, i.e. there is required, a strong adherence contact between the horse-rider and the saddle with the aim of forming with the saddle, and thus with the horse, by way of saying "a single body", allowing the horse-rider to better harmonize the movements of the horse-rider with respect to the horse. Thus providing horse-riding plants with antiskid inserts and patches formed by "alcantara" fabric, by fabrics of the suede type and the like has been known over the years.

[0003] It is also known the provision of inserts and patches made of these materials associated to the trousers in the areas of contact with the saddle, i.e. in the interior part of the legs and/or on the knee, wherein the inserts are for example part of the trousers and, when tailoring the trousers, they are sewn to the very fabric forming the remaining part of the trousers, while patches are sewn on the trousers finished with the forms and in the desired areas.

[0004] Furthermore, it is also known that, due to the softness of the alcantara fabric, like synthetic hide or the like, the aforementioned inserts and patches allow obtaining a rather limited friction between the trousers, i.e. the horse-rider and saddle, whereas a more reliable friction would be desired in most horse-riding activities.

Summary of the invention

[0005] Therefore, the main object of the present invention is to provide the horse-rider a greater and reliable adherence to the saddle, with a greater, reliable and long-lasting friction therewith, during horse-riding activities or sports. According to the invention this object is attained, in horse-riding trousers, due to the fact that a siliconized fabric with structured silicone layer is used as an antiskid insert.

[0006] Structuring the surface of the silicone layer of the siliconized fabric, the latter also being referred to by the term "siliconized molding", allows obtaining a strong and reliable friction action on the saddle, whose efficiency is determined by the configuration of the structure of the silicone surface, for example with dot-like or point-like, strip-like, mesh-like or similar projections or protrusions.

Brief description of the drawings

[0007] Examples of embodiments of horse-riding trousers according to the invention are illustrated in the attached drawings, wherein:

figure 1 shows a front view of trousers according to the invention for a woman,
figure 2 shows a view of the trousers of figure 1 from the rear,
figure 3 shows a lateral view of the trousers of figures 1 and 2 with legs slightly apart,
figures 4, 5 and 6 are views similar to those of figures 1, 2 and 3 for men trousers,
figures 7, 8 and 9 are views similar to those of figures 1, 2, 3, respectively 4, 5, 6, on trousers with differently-shaped insert or patch, and
figure 10 shows a top view of a detail on a portion of a known siliconized fabric, i.e. siliconized molding, used for obtaining the anti-slip inserts of figures 1 to 9, illustrating the silicone layer with uniform structure having projecting dots or "all-over a pois" applied on the underlying fabric.

Detailed description of the trousers according to the invention

[0008] In the different figures identical parts have the same reference numbers. The horse-riding trousers according to the invention are indicated in their entirety by 1.

[0009] The trousers 1 are formed by a fabric 2 and by an ergonomic antiskid insert 3 made of siliconized fabric 4, figure 10, which is constituted in a known manner by a support fabric 5 on which there is hot-applied - through a molding process - a silicone layer 6 by means of profiled rollers determining the structure of the exposed side of the silicone layer, where said ergonomic antiskid insert 3 is positioned in the interior part of the legs of the trousers 1 and also partly covers the front part of the knee area.
The ergonomic antiskid insert 3 is sewn with the remaining part of the fabric 2 forming the trousers, as indicated with dashed line.

[0010] By way of example, the structuration of the siliconized fabric 4, which is also referred to in the field as "siliconized molding", figure 10, has a configuration with uniformly distributed dot-like projections 7, i.e. "all-over a pois", on the entire surface.

[0011] Obviously, the variation of such projections 7 also implies varying the friction force upon contact, with relative pressure, with the legs, i.e. with the ergonomic antiskid insert or patch 3, on the saddle (not illustrates). The choice of the configuration of said inserts or patches 3 depends, as known, generally mainly on the provided type of horse-riding activity or sports.

[0012] What has been described above also applies for the trousers illustrated in figures 4 to 6 and 7 to 9.

[0013] In practice, those skilled in the art may introduce various modifications and variants of the antiskid inserts

or patches without departing from the scope of the present invention as claimed.

Claims

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1. Horse-riding trousers (1) with ergonomic antiskid insert (3), **characterized in that** said ergonomic antiskid insert (3) is formed by a siliconized fabric (4) with structured outer surface. 10
2. Horse-riding trousers (1) according to claim 1, **characterized in that** the ergonomic antiskid insert (3) extends on the internal area of the legs and on the knee area. 15
3. Horse-riding trousers (1) according to claims 1 and 2, **characterized in that** the siliconized fabric insert (3) is a constituting part of the trousers (1) and it is sewn therein. 20
4. Horse-riding trousers (1) according to claims 1 and 3, **characterized in that** the ergonomic antiskid insert (3) is provided in form of a patch and extends for a small area at the knee and/or the internal area of the legs. 25

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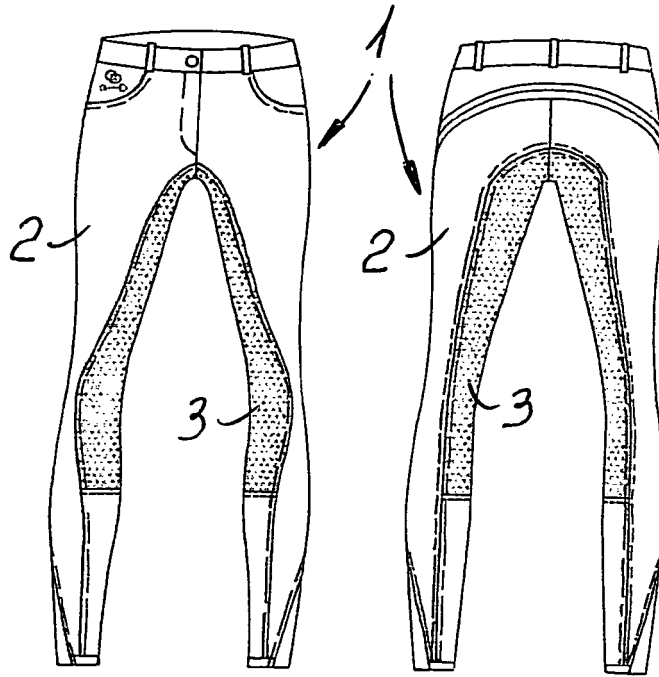


Fig. 1

Fig. 2

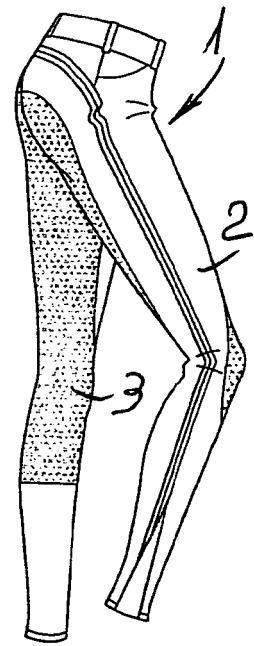


Fig. 3

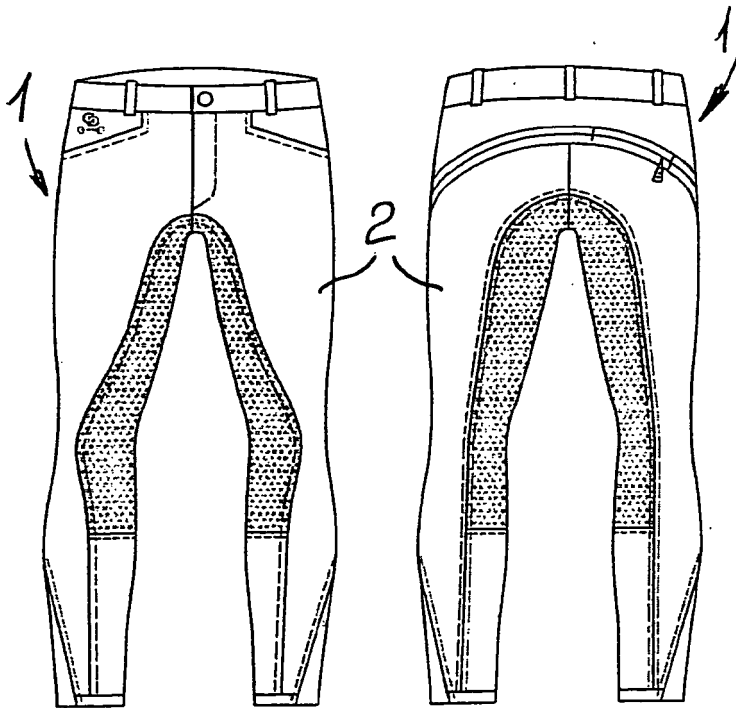


Fig. 4

Fig. 5

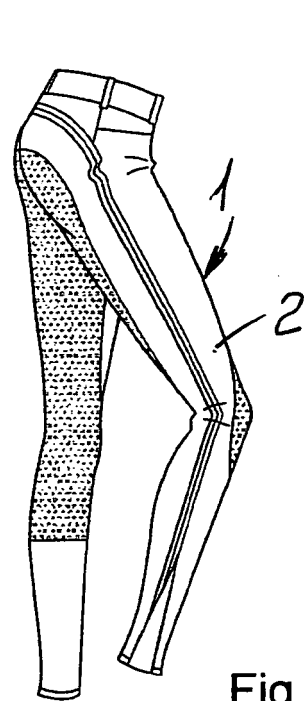


Fig. 6

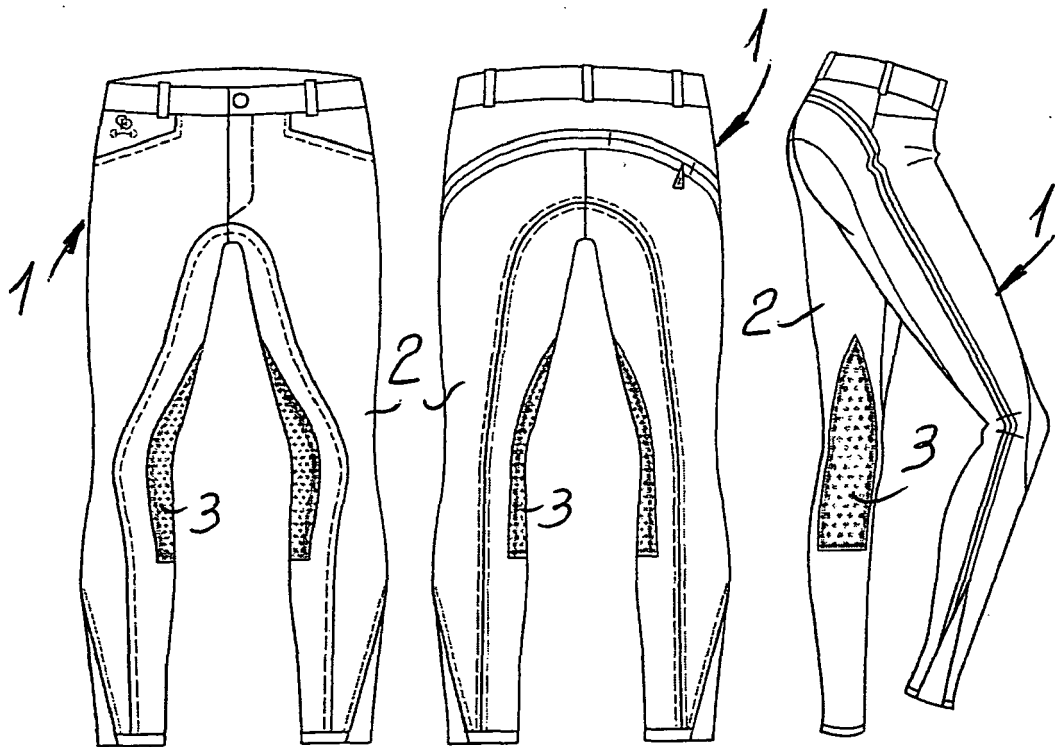


Fig. 7

Fig. 8

Fig. 9

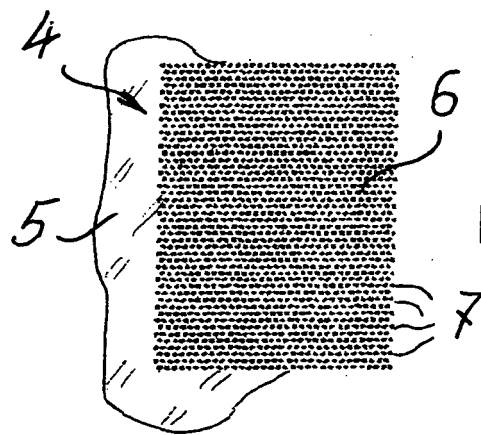


Fig. 10



EUROPEAN SEARCH REPORT

Application Number
EP 12 00 1125

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2006/230488 A1 (RUDOLPH SHERYL [US]) 19 October 2006 (2006-10-19) * paragraphs [0014], [0041]; claim 1; figures 1,3 *	1-4	INV. A41D1/08
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A	US 5 625 900 A (HAYES CHRISTOPHER J [US]) 6 May 1997 (1997-05-06) * column 1, lines 4-25; figures 1,4,5 * * column 2, lines 1-19 *	1	
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A	US 2009/100566 A1 (SCHIAVINO SHANNON [US] ET AL) 23 April 2009 (2009-04-23) * paragraphs [0030] - [0032]; figure 4 *	1	TECHNICAL FIELDS SEARCHED (IPC) A41D A41B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 May 2012	Examiner D'Souza, Jennifer
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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EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 12 00 1125

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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