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(71) Applicant: **Pastor Fita, Juan Emilio**  
**46890 Agullent (ES)**

(72) Inventor: **Pastor Fita, Juan Emilio**  
**46890 Agullent (ES)**

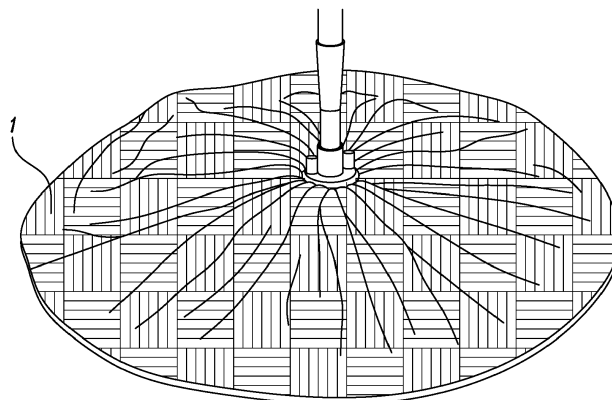
(74) Representative: **Isern Patentes y Marcas S.L.**  
**Avda. Diagonal, 463 Bis, 2°**  
**08036 Barcelona (ES)**

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(54) **CLEANING TEXTILE**

(57) Improved textile for cleaning items, which incorporates notable innovations and advantages over the techniques used up to now. Said improved textile for

cleaning items which comprises a fabric made up of a braided microfibre resulting from a prior napping treatment thereon.



*FIG. 3*

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**Description****BRIEF DESCRIPTION OF THE DRAWINGS****DESCRIPTION****[0013]****OBJECT OF THE INVENTION**

**[0001]** The object of the present invention application is the registration of an improved textile for cleaning items, which incorporates significant innovations and advantages over the techniques used up until now.

**[0002]** More specifically, the invention proposes the development of an improved textile for cleaning items, which due to the particular arrangement thereof, enables a substantial increase in the contact surface thereof, and therefore, a substantial improvement in the absorption capacities thereof.

**BACKGROUND OF THE INVENTION**

**[0003]** A multitude of different cleaning items which apply the use of different fabrics are known in the current state of the art.

**[0004]** However, difficulties still arise when it comes to cleaning floors or other surfaces.

**[0005]** The present invention contributes to solving and overcoming this problem since it enables a substantial increase in the contact surface used, and therefore, a substantial improvement in the absorption capacities thereof.

**DESCRIPTION OF THE INVENTION**

**[0006]** The present invention has been developed in order to provide an improved textile for cleaning items, which comprises a fabric made up of a braided microfibre resulting from a prior napping treatment thereon.

**[0007]** Preferably, the improved textile for cleaning items takes the form of a cloth.

**[0008]** Alternatively, in the improved textile for cleaning items, only one side of the cloth has the prior napping treatment.

**[0009]** Alternatively, in the improved textile for cleaning items, both sides of the same cloth have the prior napping treatment.

**[0010]** Alternatively, the improved textile for cleaning items is able to be used as a mop.

**[0011]** Thanks to the present invention, a substantial increase in the used contact surface thereof is achieved, and therefore, a substantial improvement in the absorption capacities thereof.

**[0012]** Other features and advantages of the improved textile for cleaning items will become apparent from the description of a preferred but not exclusive embodiment illustrated by way of non-limiting example in the attached drawings, in which:

5 Figure 1 is a schematic view of a preferred embodiment of the improved textile for cleaning items of the present invention.

10 Figure 2 is a schematic view of another preferred embodiment of the improved textile for cleaning items of the present invention.

Figure 3 is a schematic view of another preferred embodiment of the improved textile for cleaning items of the present invention.

**15 DESCRIPTION OF A PREFERRED EMBODIMENT**

**[0014]** As shown in figures 1, 2 and 3, the improved textile for cleaning items comprises a fabric 1, which is made up of a braided microfibre, which in turn results from a prior napping or grinding treatment thereon.

20 **[0015]** The napping treatment consists of an extraction of weft fibres from the surface of the fabric 1 by means of racks or rotating machines and by means of a metal fitting, producing a layer of fuzz which covers the entire surface of the fabric 1.

25 **[0016]** This napping treatment is commonly used in the textile sector, but in the state of the art it is not applied to the sector of textiles for cleaning items.

30 **[0017]** Said napping treatment entails the microfibrils being partially fragmented, which implies that the filaments thereof multiply over the entire surface of the braid of the microfibre, which entails a substantial increase in the contact surface, and therefore, a substantial improvement in the absorption capacities of the affected textile.

35 **[0018]** Additionally, the napping treatment gives the microfibre greater softness and, therefore, it can be applicable on delicate surfaces, without reducing the effectiveness and absorption capacity thereof, but rather on the contrary, the napping treatment substantially improves it.

40 **[0019]** In a preferred embodiment, as schematically represented in figure 1, the improved textile for cleaning items of the present invention takes the form of a cloth 2, and in particular only one of the faces 21 of the cloth 2 has the prior napping treatment.

45 **[0020]** In this manner, a mixed cloth 2 is obtained with a particularly absorbent face 21 and the other face 22 with the conventional features of the microfibre.

50 **[0021]** In another preferred embodiment represented schematically in figure 2, the two faces 21, 22 of the same cloth 2 have the prior napping treatment, thereby achieving the substantial improvement of the absorption capacity on both faces.

55 **[0022]** In other preferred embodiments, the improved textile for cleaning items of the invention will also be able to be used in mops, as schematically represented in figure 3.

**[0023]** The details, shapes, dimensions and other sec-

ondary elements, as well as the materials used in manufacturing the improved textile for cleaning items of the invention, may be suitably replaced with others that are technically equivalent and do not depart from the essential nature of the invention or from the scope defined by the claims included below. 5

## Claims

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1. An improved textile for cleaning items, **characterised in that** it comprises a fabric (1) made up of a braided microfibre resulting from a prior napping treatment thereon.
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2. The improved textile for cleaning items according to claim 2, **characterised in that** it takes the form of a cloth (2).
- 20
2. The improved textile for cleaning items according to claim 2, **characterised in that** only one of the faces (21) of the cloth (2) has the prior napping treatment.
- 25
3. The improved textile for cleaning items according to claim 2, **characterised in that** both faces (21, 22) of the same cloth (2) have the prior napping treatment.
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4. The improved textile for cleaning items according to claim 1, **characterised in that** it is able to be used as a mop.

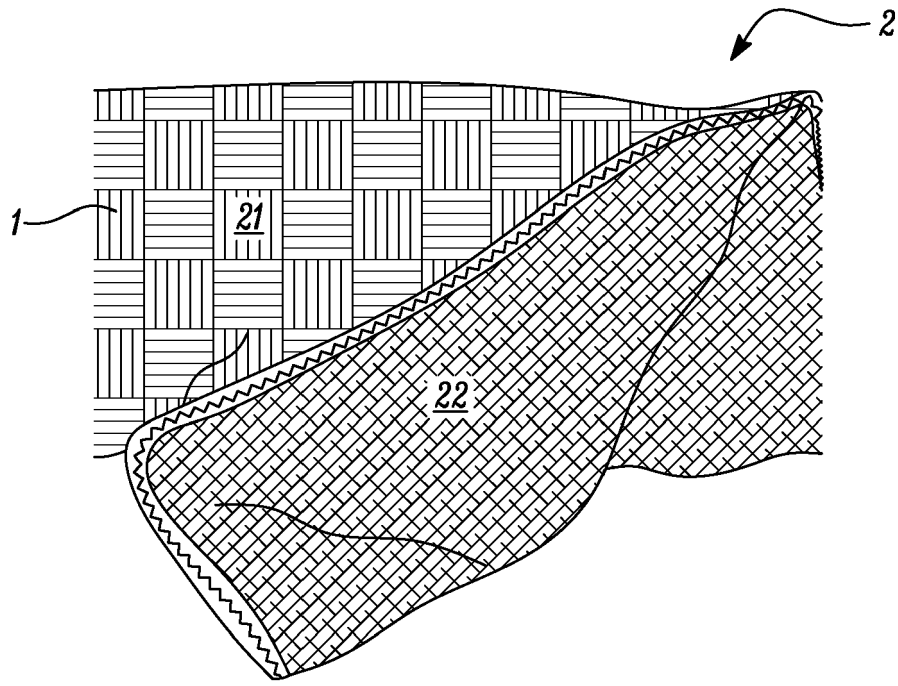
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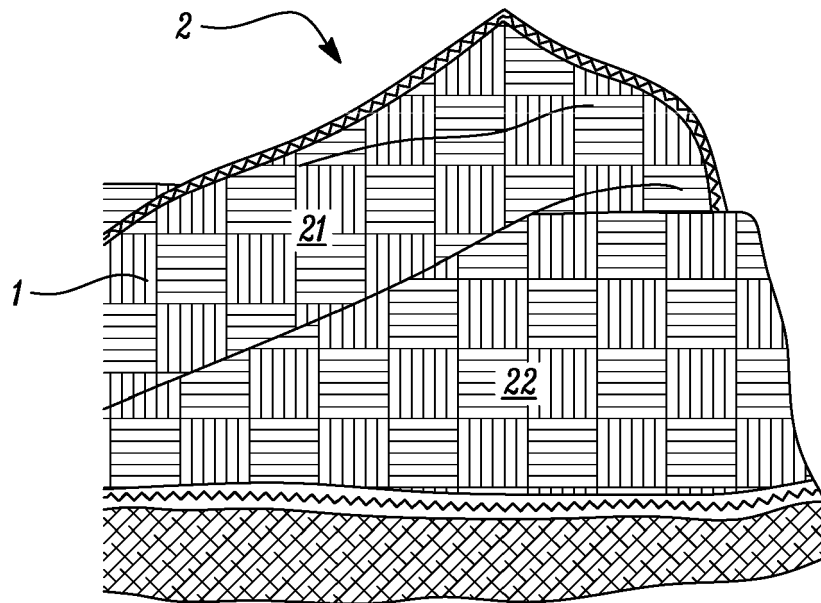
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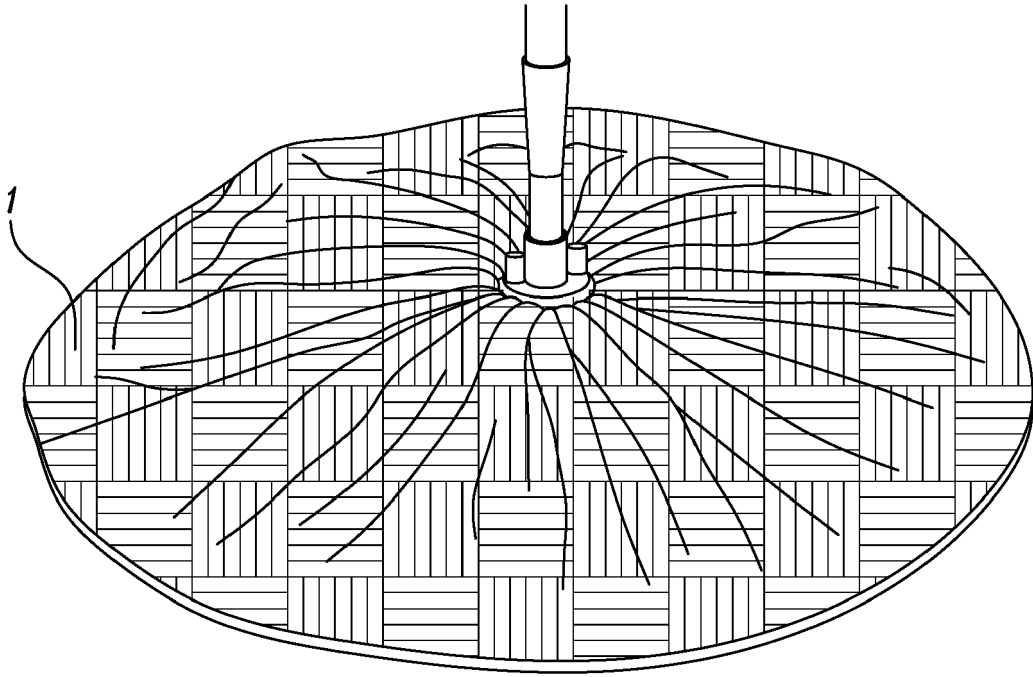
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*FIG. 1*



*FIG. 2*



*FIG. 3*



## EUROPEAN SEARCH REPORT

 Application Number  
 EP 21 38 2035

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				TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims				
Place of search <b>Munich</b>		Date of completion of the search <b>25 May 2021</b>	Examiner <b>Eckenschwiller, A</b>	
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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5 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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