

⑫

EUROPEAN PATENT APPLICATION

⑲ Application number: 83201454.2

⑤① Int. Cl.³: **A 43 C 11/00**

⑳ Date of filing: 11.10.83

③① Priority: 12.10.82 BE 2059872

④③ Date of publication of application:
25.04.84 Bulletin 84/17

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

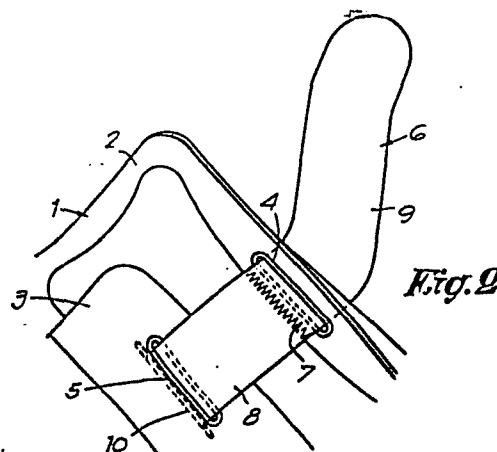
⑦① Applicant: **F. VAN DAMME & CIE, naamloze
vennootschap**
Hoogstraat 43
B-9160 Hamme(BE)

⑦② Inventor: **de Brabander, Jean**
Fabiolaan 7
B-8300 Knokke-Heist(BE)

⑦④ Representative: **Bockstael, Daniel**
M.F.J. Bockstael Arenbergstraat 13
B-2000 Anvers(BE)

⑤④ Replaceable lacing means.

⑤⑦ Replaceable lacing means, comprising a ribbon made of two parts (8-9) fixed to one another such as by sewing, the first of said parts being one part of a hook and loop fastener and the second of said parts being the other part of said fastener, said ribbon being intended to be slid through two slots (4-5) provided to this end in the elements (2-3) to be tied together, one end of said ribbon being provided with an abutment means (10), at least one dimension of which being larger than the corresponding dimension of said slots (4-5).



"Replaceable lacing means".

The invention pertains to a replaceable lacing means,
usable to two elements together in an easy and fast manner
5 and especially usefull in those cases where the lacing means
is expected to have a shorter life than the elements to be
tied together.

10 A typical application of the invention is the shoe industry
and especially in the field of leisure wear where use is
often made of hook and loop fasteners, instead of shoelaces,
buckles or similar.

15 Although known hook and loop fasteners are quite efficient,
they have generally a shorter usefull life than that of
the shoes themselves. As at least one part of said faste-
ner is sewn to the shoes, this poses a problem.

20 The object of the invention is to solve said problem by pro-
viding a hook and loop type lacing means which can easily
be replaced whenever necessary.

25 To this end, the replaceable lacing means according to the
invention comprises a ribbon made of two parts fixed to
one another such as by sewing, the first of said parts
being one part of a hook and loop fastener and the second
of said parts being the other part of said fastener, said
ribbon being intended to be slid through two slots provi-
ded to this end in the element to be tied together, one
30 end of said ribbon being provided with an abutment means,

at least one dimension of which being larger than the corresponding dimension of said slots.

For more clarity, one embodiment of the invention is described hereinafter by way of non limitative example, with
5 reference to the appended drawings wherein :

figure 1 is a perspective view of a shoe equipped with a replaceable lacing means according to the invention;
10 and
figure 2 shows at an enlarged scale, the part of figure 1 indicated by F2.

The shoe 1 shown in figure 1 has an upper having two sides
15 2 and 3 which have to be tied or laced together. Each side is provided with a slot, 4 and 5 respectively.

The lacing means according to the invention is generally indicated as 6 and has the general shape of a ribbon intended
20 to be slid through said slots 4 and 5. The ribbon 6 is made of two parts 8 and 9 respectively, fixed together for instance by sewing, as indicated in 7. Parts 8 and 9 correspond to the two parts of a well known hook and loop fastener.

25 The free extremity of part 8 is provided with an abutment 10, the length of which being greater than that of the slots 4 and 5. In another embodiment, the width of abutment 10 could be greater than that of said slots.

30 It will be seen that the lacing means according to the invention is particularly easy to use and to replace when necessary. Due to abutment 10, the sides of the shoe upper can be easily drawn together with one hand.

35 It is clear that the use of the invention is not limited to shoes, numerous other applications being possible.

Claims.

1.- Replaceable lacing means, comprising a ribbon made of two parts (8-9) fixed to one another such as by sewing, the
5 first of said parts being one part of a hook and loop fastener and the second of said parts being the other part of said fastener, said ribbon being intended to be slid through two slots (4-5) provided to this end in the elements (2-3) to be tied together, one end of said ribbon being provided
10 with an abutment means (10), at least one dimension of which being larger than the corresponding dimension of said slots (4-5).

2.- Replaceable lacing means according to claim 1, wherein
15 the length of said abutment means (10) is greater than that of said slots (4-5).

3.- Replaceable lacing means according to claim 1, wherein
20 the width of said abutment means (10) is greater than that of said slots (4-5).

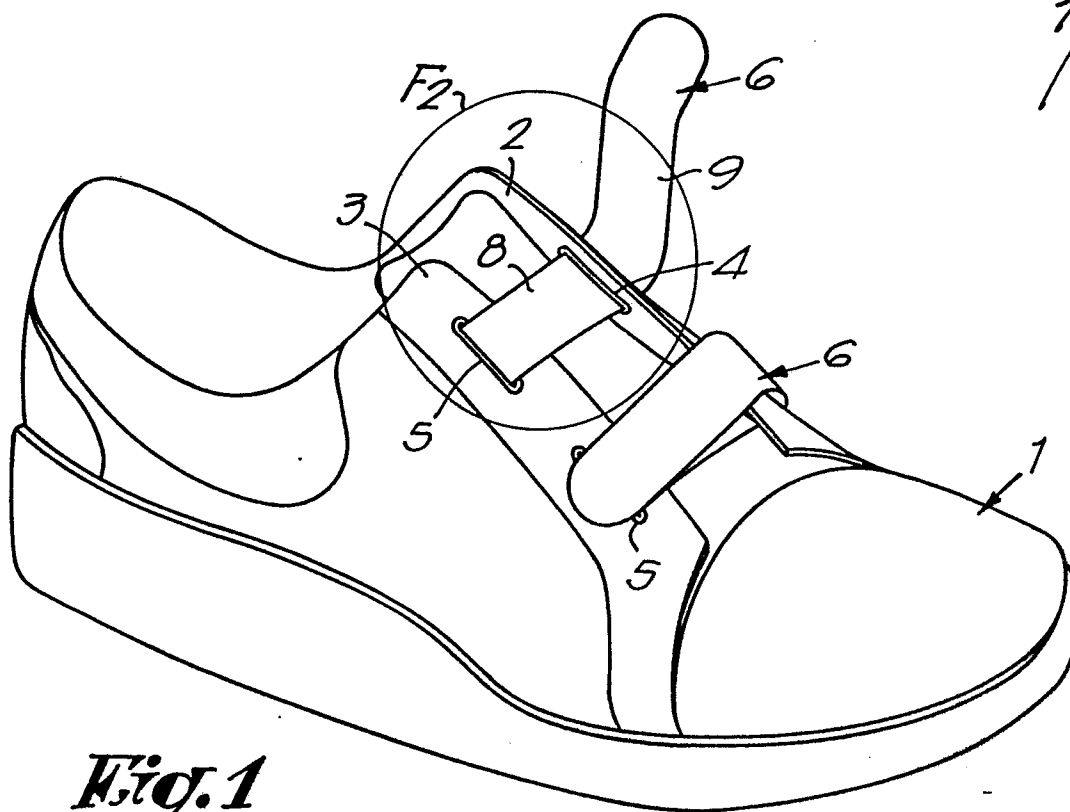


Fig. 1

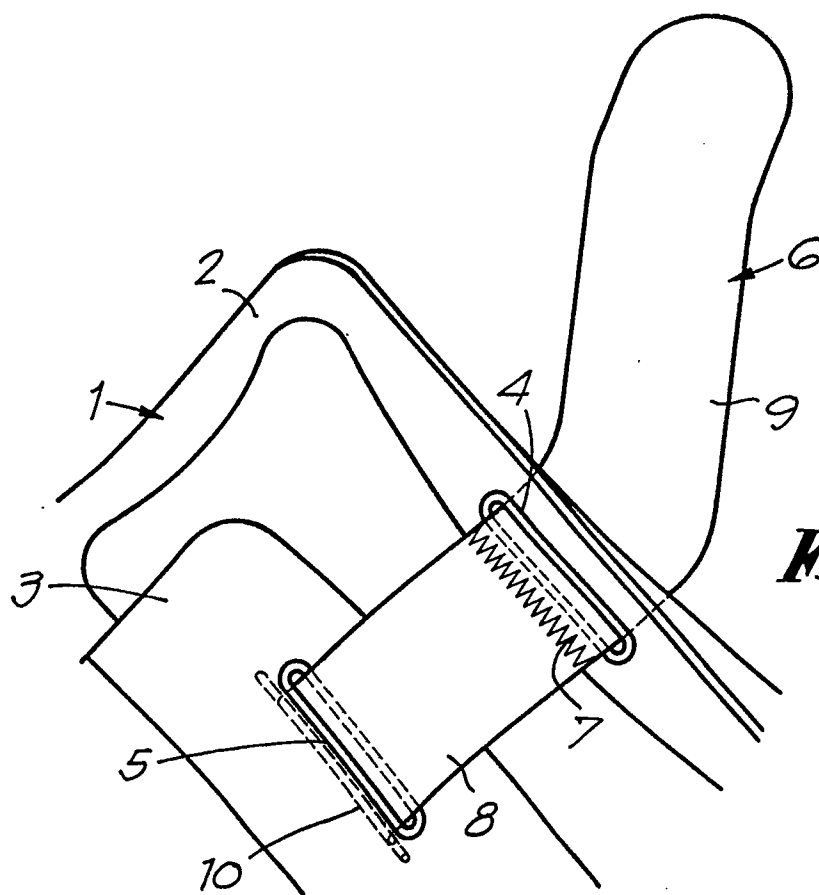


Fig. 2



European Patent
Office

EUROPEAN SEARCH REPORT

0106410

Application number

EP 83201454.2

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. 3)
A	<p><u>US - A - 3 205 544</u> (STREULE)</p> <p>* Column 3, lines 37-52; fig. 17 *</p> <p>--</p>	1	A 43 C 11/00
A	<p><u>US - A - 4 296 558</u> (ANTONIUS)</p> <p>* Totality *</p> <p>--</p>	1	
A	<p><u>EP - A1 - 0 061 971</u> (GOUNIN)</p> <p>* Totality *</p> <p>--</p>	1	
A	<p><u>GB - A - 259 012</u> (CRICK)</p> <p>* Fig. 6 *</p> <p>--</p>	1,2	
A	<p><u>US - A - 1 772 238</u> (BONNE)</p> <p>* Totality *</p> <p>----</p>	1	<p>TECHNICAL FIELDS SEARCHED (Int. Cl. 3)</p> <p>A 43 C 11/00</p> <p>A 43 B 5/00</p>
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 12-12-1983	Examiner LEBZELTERN
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			