

## Title (en)

Sportsshoe with a rigid heel stiffener fixed on a flexible heel stiffener

## Title (de)

Sportschuh mit einer an einer flexiblen Fersenkappe befestigten steifen Fersenkappe

## Title (fr)

Chaussure de sport comportant un contrefort rigide fixé sur un contrefort flexible

## Publication

**EP 1166668 A2 20020102 (FR)**

## Application

**EP 01121908 A 19961206**

## Priority

- EP 96119600 A 19961206
- FR 9601250 A 19960130

## Abstract (en)

[origin: EP0787441A1] The boot consists of a sole (5) and an upper (2) equipped with a rigid stiffener (3) which passes round the heel and extends along at least one side of the boot as far as the metatarsal-phalangeal flexure zone and upwards to a point just below the ankle or the pivot point (7) of a flexible upper collar (8). The stiffener can extend further along one side of the boot than the other and be lower at the heel than at its highest side point. It can also be made in one piece with the rear part of the sole and be fastened to the boot via a flexible element (13) covering the same area. The preferred materials for the stiffener are, for example, plastics reinforced by glass or carbon fibres, or metals, having a rigidity of 260 MPa to 200 GPa.

## Abstract (fr)

L'invention propose une chaussure de sport comportant une semelle externe, une tige (2), et un contrefort arrière rigide (3), caractérisée en ce que le contrefort rigide (3) recouvre au moins partiellement un contrefort flexible (13), en ce que le contrefort rigide (3) est fixé sur le contrefort flexible (13), et en ce que le contrefort (3) rigide est fixé sur la tige (2) par l'intermédiaire du contrefort flexible (13). <IMAGE>

## IPC 1-7

**A43B 5/04**; **A43B 23/08**

## IPC 8 full level

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## CPC (source: EP US)

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## Citation (applicant)

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- US 4287675 A 19810908 - NORTON EDWARD J, et al
- US 4704808 A 19871110 - BIANCHINI WILLIAM L [US], et al
- US 3807062 A 19740430 - SPIER I
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## Cited by

FR2976161A1; EP2532261A3

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**EP 0787441 A1 19970806**; **EP 0787441 B1 20020626**; AT E219636 T1 20020715; AT E270830 T1 20040715; CA 2195499 A1 19970731; CZ 28297 A3 19970813; CZ 289312 B6 20011212; DE 69622015 D1 20020801; DE 69622015 T2 20021128; DE 69632927 D1 20040819; DE 69632927 T2 20050728; EP 1166668 A2 20020102; EP 1166668 A3 20020116; EP 1166668 B1 20040714; FR 2743988 A1 19970801; FR 2743988 B1 19980320; NO 310092 B1 20010521; NO 970275 D0 19970122; NO 970275 L 19970731; US 5884420 A 19990323; US 6076286 A 20000620

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