

Title (en)

Unidirectional air flow ventilating shoe and insole.

Title (de)

Schuh und Innensohle mit einseitig gerichteter Belüftung.

Title (fr)

Chaussure et semelle intérieure ventilées à courant d'air à sens unique.

Publication

EP 0319968 B1 19940518 (EN)

Application

EP 88120486 A 19881207

Priority

CN 87107387 A 19871207

Abstract (en)

[origin: EP0319968A2] A unidirectional airflow ventilating shoe having an ordinary upper and sole. A unidirectional airflow ventilating layer (1) is provided on the sole inside the shoe. The ventilating layer has a compressible cavity (2), air inlet (3), main airflow passage (4), branches (5) and air outlets (6). Fresh air outside the shoe is forcedly unidirectionally sucked into the ventilating layer and blown out to fore part inside the shoe. To convenience sake, a unidirectional airflow ventilating insole can be made for any kind of shoes. The insole comprise an upper portion (7) and lower portion (8). The structure and shape of the upper portion is the same as that of the ventilating layer (1). Lower portion (8) can either form an entirety with upper portion (7), or be an elastic substrate adhered to the bottom surface of the upper portion with adhesives. The insole can be used in any kind of shoes and attain the same result as unidirectional airflow ventilating shoes of the present invention.

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IPC 8 full level

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Cited by

EP0714611A1; KR101350116B1; US4993173A; EP0741978A1; FR2727606A1; CN102652588A; EP2007238A4; WO9820764A1; US8505214B2; WO03045178A1; WO9217081A1

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