

Title (en)
VENTILATED ARTICLE OF FOOTWEAR

Title (de)
BELÜFTETER SCHUHARTIKEL

Title (fr)
ARTICLE CHAUSSANT VENTILÉ

Publication
EP 3752023 B1 20230726 (EN)

Application
EP 19705511 A 20190215

Priority
• EP 2019053798 W 20190215
• GB 201802662 A 20180219

Abstract (en)
[origin: GB2571126A] A sole structure for an article of footwear, comprising an outsole component 3 and a removable midsole component 10; the outsole having resiliently deflecting diaphragm elements 6 for generation of pumping action for forcing air towards the midsole component, and a holding recess (7, fig. 4). The removable midsole component comprises cavities 11 for receiving air from the resiliently deflecting diaphragm elements, air circulation channels (12, fig. 3) extending substantially laterally from the cavities for distributing air from the cavities to the air circulation channels, and sealing areas adjacent to the cavities and air circulation channels. The sealing areas prevent air from escaping the cavities and air circulation channels when the removable midsole component is inserted in the holding recess. Air circulation channels may be provided with expanded areas (16, fig. 3). The expanded areas may have varying shapes and number of perforations. A footbed area 30 may be provided, with openings 31 aligned with the air circulation channels. There may be a strobil sock attached to the upper, and perforated at areas aligned with the diaphragm elements. The midsole preferably has a perforated area for air distribution. Also claimed is a method of circulating air within an article of footwear.

IPC 8 full level
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• KR 20100122774 A 20101123 - RYU HAN HA [KR]
• CN 202145956 U 20120222 - XIUBIN GUO

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