

Title (en)  
TENNIS SHOES

Title (de)  
TENNISSCHUHE

Title (fr)  
CHAUSSURES DE TENNIS

Publication  
**EP 1552762 A1 20050713 (EN)**

Application  
**EP 03751318 A 20031003**

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Abstract (en)  
Tennis shoes, comprising soles (5) having bases (7) and a large number of horizontal reinforcement crests (9), the horizontal reinforcement crests (9) further comprising ground-contact surfaces (11), toe side wall surfaces (13), and heel side wall surfaces (15), wherein the cross sectional shape of the horizontal reinforcement crests (9) is asymmetric, the tilted angle ( $\theta_b$ ) of the heel side wall surfaces (15) is larger than the tilted angle ( $\theta_a$ ) of the toe side wall surfaces (13), a difference therebetween ( $\theta_b - \theta_a$ ) is 10 to 60 DEG, the height (H) of the horizontal reinforcement crests (9) is 1 to 8 mm, the ratio (L2/L1) of the distance (L2) of the ground-contact surfaces (11) to a distance (L1) of a boundary part between the bases (7) and the horizontal reinforcement crests (9) is 0.2 to 0.8, and the ratio ( $\mu_a / \mu_b$ ) of the coefficient of friction ( $\mu_a$ ) of a bottom surface in toe direction to the coefficient of friction ( $\mu_b$ ) in heel direction is 0.3 to 0.9. <IMAGE>

IPC 1-7  
**A43B 5/10**; **A43B 13/14**

IPC 8 full level  
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