

Title (en)
BALL-CONTACTING PAD FOR SPORT SHOE

Title (de)
BALLKONTAKTFLÄCHE FÜR SPORTSCHUH

Title (fr)
BOURRELETS DE CONTACT AVEC LE BALLON POUR CHAUSSURE DE SPORT

Publication
EP 0766521 A2 19970409 (EN)

Application
EP 96919976 A 19960418

Priority
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• US 42340595 A 19950418

Abstract (en)
[origin: WO9632856A2] A sport shoe having ball-contacting pads mounted thereon for increasing kicking performance without appreciably decreasing ball feel is disclosed. The pads include a top layer separated from a bottom layer by interconnecting elastic elements or webs. The top and bottom layers are substantially planar and elongate. The pad is arranged on the shoe so that when, for example, a soccer player kicks a ball, reaction forces from the impact will displace the top layer longitudinally, substantially parallel to the bottom layer, thus stretching the elastic interconnecting elements, storing potential energy. As the ball leaves the player's shoe, the reaction forces are diminished, and the potential energy in the interconnecting elements moves the top layer to again move longitudinally, but in an opposite direction. This return movement imparts a tangential force on a ball, thus enabling a player to kick the ball with substantial spin, a key tactic during many parts of a soccer game.

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