

Title (en)
HEAT EMBOSSED SHOES.

Title (de)
HEISSGEPRÄGTE SCHUHE.

Title (fr)
CHAUSSURES ESTAMPEES A CHAUD.

Publication
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Application
EP 89911941 A 19891003

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Abstract (en)
[origin: WO9003744A1] A labor-saving shoe making process provides multilayered, heat embossed, shoe components including a one-piece upper. The components comprise a resilient foam layer and other layers for flexibility, strength and durability. Embossing of the shoe components serves to reduce the thickness of the material, provide sealing of the material, provide form and shape to the shoe, and allow strain control management. The connecting of shoe components is accomplished in part through the use of thermoplastic rivets which are heated and melted by the application of a high frequency field.

Abstract (fr)
Un procédé de fabrication de chaussures avec économie de main d'oeuvre permet d'obtenir des composants de chaussure multi-couches, estampés à chaud, y compris une empeigne en une seule pièce. Les composants comprennent une couche en mousse élastique et d'autres couches assurant la souplesse, la résistance et la durabilité. L'estampage des composants de la chaussure sert à réduire l'épaisseur de matière, assure l'étanchéification du matériau, donne la forme à la chaussure et permet de gérer les contraintes. L'assemblage des composants de chaussure s'effectue en partie en utilisant des rivets thermoplastiques qui sont chauffés et fondus par application d'un champ électrique à haute fréquence.

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