

Title (en)

Method for fixing a footwear sole to the footwear upper

Title (de)

Verfahren zum Befestigen einer Schuhsohle an der Schuhoberstruktur

Title (fr)

Procédé de fixation d'une semelle de chaussure à la tige de la chaussure

Publication

EP 2630883 A1 20130828 (EN)

Application

EP 13000594 A 20130206

Priority

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Abstract (en)

The present invention relates to a method for fixing a footwear sole to the footwear upper. The method of the invention is envisaged for gluing a footwear sole to the footwear upper, without prior or external manipulation of the sole and without applying chlorinated solvents or organic solvents for treating the surfaces of the soles that is performed conventionally. The method involves different steps consisting of receiving the soles, recognizing the soles by means of modeling in three dimensions, followed by another step of determining the thermodynamic variables of the materials making up the sole, this phase being performed by means of thermal parameterization and cleaning of the surfaces, for subsequently treating the sole by means of ultraviolet radiation and applying ozone in combination. The corresponding adhesive is then applied both on the sole and the upper, with subsequent fixing and drying by providing heat energy, a step of removing the solvent from the adhesive both in the sole and in the upper then being performed, and finally the adhesive both of the surface of the upper and of the surface of the sole are adapted so that they contact one another and gluing or attaching the sole and the upper by means of suitable pressure.

IPC 8 full level

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Citation (search report)

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