

Title (en)
SHEET-LIKE MATERIAL AND METHOD FOR PRODUCING SAME

Title (de)
BAHNENFÖRMIGES MATERIAL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
MATÉRIAU EN FORME DE FEUILLE ET PROCÉDÉ DE PRODUCTION ASSOCIÉ

Publication
EP 3112530 A4 20171011 (EN)

Application
EP 15755868 A 20150223

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Abstract (en)
[origin: EP3112530A1] The invention relates to an environmentally friendly production method for a sheet-like article that does not use an organic solvent in the production process and provides a sheet-like article that compares favorably in terms of a uniform feel with artificial leather products produced from an organic solvent based polyurethane and in particular has good surface quality and texture and also provides a production method therefor. The present invention aims to provide a sheet-like article comprising a fibrous base material formed of ultrafine fibers and/or ultrafine fiber bundles provided with, as a binder, a polymer elastomer having a hydrophilic group, any thickness-directional cross section of the sheet-like article containing regions occupied by the polymer elastomer, the regions including independent regions each with a cross-sectional area of 50 μm^2 or more, the total area of the independent regions accounting for 0.1% or more and 5.0% or less of the cross-sectional area of the artificial leather in an observation view field. The production method for the sheet-like article according to the present invention provides a production process for a sheet-like article including a fibrous base material formed of ultrafine fibers and, as a binder, a polymer elastomer having a hydrophilic group, the process including a step for adding an aqueous resin dispersion liquid containing a water-dispersed polymer elastomer and a viscosity improver to a fibrous base material and a step for coagulating the polymer elastomer in hot water at a temperature of 50°C to 100°C.

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• [E] EP 3101172 A1 20161207 - TORAY INDUSTRIES [JP]
• [A] JP 2006307000 A 20061109 - TORAY INDUSTRIES
• [X] DATABASE WPI Week 201240, 2012 Derwent World Patents Index; AN 2012-D89366, XP002773186
• See references of WO 2015129602A1

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