

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  $\mu\text{m}^2$  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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• [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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