

Title (en)

SHEET-SHAPED OBJECT AND PROCESS FOR PRODUCING SAID SHEET-SHAPED OBJECT

Title (de)

FOLIENFÖRMIGES OBJEKT UND VERFAHREN ZUR HERSTELLUNG DES FOLIENFÖRMIGEN OBJEKTS

Title (fr)

OBJET EN FORME DE FEUILLE ET PROCÉDÉ POUR PRODUIRE CET OBJET EN FORME DE FEUILLE

Publication

**EP 2927368 A4 20160629 (EN)**

Application

**EP 13859092 A 20131127**

Priority

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- JP 2013081891 W 20131127

Abstract (en)

[origin: EP2927368A1] The present invention provides a process for producing a sheet-shaped material having both an elegant, napped appearance and a soft texture and exhibiting a good abrasion resistance, the process comprising the successive steps of: (i) dissolving, in water, a polyvinyl alcohol having a degree of saponification of 98% or more and a degree of polymerization of 800 to 3500 to prepare a polyvinyl alcohol aqueous solution in which the concentrations of methyl acetate, acetic acid and methanol are 50 ppm or less, (ii) adding the polyvinyl alcohol aqueous solution to a fibrous substrate comprising microfiber-generating fibers as its main constituent, so that the fibrous substrate has the polyvinyl alcohol in an amount of 0.1 to 50% by mass based on the mass of the fibers contained in the fibrous substrate, (iii) generating microfibers having an average single fiber diameter of 0.3 to 7  $\mu\text{m}$  from the microfiber-generating fibers contained in the fibrous substrate as its main constituent, (iv) adding a waterborne polyurethane to the fibrous substrate comprising the microfibers as its main constituent and having the added polyvinyl alcohol, and (v) removing the polyvinyl alcohol from the fibrous substrate comprising the microfibers as its main constituent and having the added waterborne polyurethane.

IPC 8 full level

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Citation (search report)

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