

Title (en)
SHEET-SHAPED ARTICLE AND MANUFACTURING METHOD THEREFOR

Title (de)
BLATTFÖRMIGER ARTIKEL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
ARTICLE EN FORME DE FEUILLE ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication
EP 3951047 A4 20221228 (EN)

Application
EP 20783144 A 20200319

Priority
• JP 2019066797 A 20190329
• JP 2020012342 W 20200319

Abstract (en)
[origin: EP3951047A1] A purpose of the present invention is to provide a sheet-shaped article and a manufacturing method therefor, said sheet-shaped article demonstrating both a supple texture and superior wear resistance. In order to achieve this purpose, a sheet-shaped article according to the present invention is a sheet-shaped article that includes, in a fibrous base material, a polymer elastic body with a hydrophilic group, said fibrous base material comprising extremely fine fibers with an average individual fiber fineness of 0.1μm to 10μm, wherein the sheet-shaped article has N-acylurea bonding or isourea bonding within the polymer elastic body, and a monovalent positive ion-including inorganic salt is present at a rate of 0.1mass% to 5mass% with regard to the mass of the polymer elastic body.

IPC 8 full level
D06N 3/14 (2006.01); **D06M 15/564** (2006.01); **D06N 3/00** (2006.01); **D06N 3/04** (2006.01)

CPC (source: EP KR US)
D06M 15/564 (2013.01 - KR); **D06N 3/0004** (2013.01 - EP KR); **D06N 3/0011** (2013.01 - EP KR US); **D06N 3/0031** (2013.01 - EP); **D06N 3/0036** (2013.01 - EP); **D06N 3/0052** (2013.01 - EP); **D06N 3/0059** (2013.01 - KR); **D06N 3/0063** (2013.01 - EP KR); **D06N 3/0065** (2013.01 - KR); **D06N 3/0075** (2013.01 - EP KR); **D06N 3/04** (2013.01 - EP); **D06N 3/14** (2013.01 - EP KR); **D06N 3/146** (2013.01 - EP US); **D06N 2209/103** (2013.01 - US); **D06N 2209/1635** (2013.01 - EP KR); **D06N 2209/1685** (2013.01 - EP KR); **D06N 2211/14** (2013.01 - EP KR); **D06N 2211/18** (2013.01 - KR); **D06N 2211/263** (2013.01 - EP KR); **D06N 2211/265** (2013.01 - EP KR); **D06N 2211/267** (2013.01 - EP KR); **D06N 2211/28** (2013.01 - US)

Citation (search report)
• [XYI] US 2016289890 A1 20161006 - MURAHARA HISASHI [JP], et al
• [Y] JP 2013112905 A 20130610 - TORAY INDUSTRIES
• [A] EP 2549011 A1 20130123 - TORAY INDUSTRIES [JP]
• [E] EP 4079961 A1 20221026 - TORAY INDUSTRIES [JP]
• See references of WO 2020203356A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3951047 A1 20220209; **EP 3951047 A4 20221228**; CN 113474509 A 20211001; CN 113474509 B 20231031; JP 7375760 B2 20231108; JP WO2020203356 A1 20201008; KR 20210141506 A 20211123; TW 202102587 A 20210116; US 2022186431 A1 20220616; WO 2020203356 A1 20201008

DOCDB simple family (application)
EP 20783144 A 20200319; CN 202080016868 A 20200319; JP 2020012342 W 20200319; JP 2020545602 A 20200319; KR 20217029734 A 20200319; TW 109109928 A 20200325; US 202017439869 A 20200319