

Title (en)
ARTIFICIAL LEATHER

Title (de)
KUNSTLEDER

Title (fr)
CUIR ARTIFICIEL

Publication
EP 4321679 A3 20240619 (EN)

Application
EP 23190590 A 20230809

Priority
JP 2022129024 A 20220812

Abstract (en)
Provided is artificial leather which does not use organic solvents during the production process and thus has a low environmental impact, and which has no formation of wrinkles during three-dimensional molding. The artificial leather comprises a nonwoven fabric made of ultrafine fibers having a mean single fiber diameter of 0.3 μm to 7 μm , and water-dispersible polyurethane, wherein when the free induction decay (FID) signal in pulse NMR (solid echo method, proton observation, measuring temperature: 50 °C) is fitted to two components: the S component (Gaussian component) and L component (Lorentz component), the spin-spin relaxation time T1 of the L component is 500 μsec to 800 μsec and the L component fraction CI is 55% to 75%.

IPC 8 full level
D06P 3/14 (2006.01)

CPC (source: EP)
D06N 3/0004 (2013.01); **D06N 3/0006** (2013.01); **D06N 3/0011** (2013.01); **D06N 3/0036** (2013.01); **D06N 3/0052** (2013.01);
D06N 3/0065 (2013.01); **D06N 3/0072** (2013.01); **D06N 3/0075** (2013.01); **D06N 3/0088** (2013.01); **D06N 3/146** (2013.01);
D06N 2205/246 (2013.01); **D06N 2209/0807** (2013.01); **D06N 2211/28** (2013.01)

Citation (search report)
• [XYI] US 2016289890 A1 20161006 - MURAHARA HISASHI [JP], et al
• [Y] US 2004063366 A1 20040401 - NAKAYAMA KIMIO [JP], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4321679 A2 20240214; **EP 4321679 A3 20240619**; JP 2024025723 A 20240226

DOCDB simple family (application)
EP 23190590 A 20230809; JP 2023129216 A 20230808