

Title (en)
WATER-DISINTEGRABLE SHEET

Title (de)
WASSERLÖSLICHE FOLIE

Title (fr)
FEUILLE POUVANT SE DÉSINTÉGRER DANS L'EAU

Publication
EP 3305983 A4 20180425 (EN)

Application
EP 16802897 A 20160330

Priority
• JP 2015110837 A 20150529
• JP 2015110839 A 20150529
• JP 2016060510 W 20160330

Abstract (en)
[origin: EP3305983A1] A hydrolysable sheet obtained by impregnating a base paper sheet, to which a water-soluble binder is added, with a chemical solution, wherein the base paper sheet is obtained by applying a ply process to a plurality of sheets of base paper and has a basis weight of from 30 gsm to 150 gsm, wherein a compounding ratio of softwood pulp to hardwood pulp is less than 1/1, wherein the chemical solution contains a cross-linking agent, which causes the water-soluble binder to initiate a cross-linking reaction, and a trihydric or higher alcohol, and wherein, with respect to a weight of the base paper sheet, the base paper sheet is impregnated with the trihydric or higher alcohol at 1% to 20% by weight.

IPC 8 full level
D21H 19/34 (2006.01); **A47K 10/00** (2006.01); **A47L 13/17** (2006.01); **D21H 27/30** (2006.01)

CPC (source: EP KR US)
A47L 13/17 (2013.01 - EP KR US); **D21H 17/06** (2013.01 - EP US); **D21H 19/00** (2013.01 - US); **D21H 19/34** (2013.01 - KR US); **D21H 27/002** (2013.01 - KR); **D21H 27/30** (2013.01 - EP KR US); **A47K 11/10** (2013.01 - EP US)

Citation (search report)
• [XY] JP 2011030793 A 20110217 - DAIO SEISHI KK
• [XY] EP 1630288 A1 20060301 - KAO CORP [JP]
• [Y] EP 1795638 A1 20070613 - KAO CORP [JP]
• [A] WO 2007112916 A1 20071011 - SCA HYGIENE PROD GMBH [DE], et al
• See references of WO 2016194460A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3305983 A1 20180411; **EP 3305983 A4 20180425**; **EP 3305983 B1 20200506**; CN 107532389 A 20180102; KR 102510363 B1 20230314; KR 20180013876 A 20180207; US 2018146834 A1 20180531; WO 2016194460 A1 20161208

DOCDB simple family (application)
EP 16802897 A 20160330; CN 201680025988 A 20160330; JP 2016060510 W 20160330; KR 20177032368 A 20160330; US 201615576931 A 20160330