

Title (en)
FILTER PAPER QUICKLY DISINTEGRATING IN WATER

Title (de)
IN WASSER RASCH ZERFALLENDEN FILTERPAPIER

Title (fr)
PAPIER FILTRE SE DÉSAGRÉGEANT RAPIDEMENT DANS L'EAU

Publication
EP 2761085 A1 20140806 (DE)

Application
EP 13722685 A 20130514

Priority
• DE 102012106801 A 20120726
• EP 2013001422 W 20130514

Abstract (en)
[origin: WO2014015921A1] The invention relates to a paper that quickly disintegrates in water, for use as filter material or filter wrapper paper of a cigarette filter, having the following properties: At least 80 wt %, preferably at least 90 wt %, and particularly preferably at least 95 wt % of the paper is formed by cellulose fibers. Of said cellulose fibers, at least 80 wt %, preferably at least 90 weight percent, and particularly preferably at least 95 wt % are a mixture of long fiber pulp and mercerized pulp. 0 to 90 wt % of the content of said mixture is mercerized pulp, and the rest is long fiber pulp. The cellulose fibers of said mixture have a freeness of at most 30°SR, preferably at most 25°SR, and particularly preferably at most 20°SR, according to ISO 5267. In the disintegration test using a device as described in TAPPI T 261, the paper shows a disintegration of at least 60%, preferably of at least 70%, and particularly preferably of at least 80% after 30 seconds.

IPC 8 full level
A24D 3/06 (2006.01); **A24D 3/10** (2006.01); **D21H 11/20** (2006.01); **D21H 15/06** (2006.01); **D21H 27/00** (2006.01)

CPC (source: EP KR RU US)
A24D 1/02 (2013.01 - EP US); **A24D 3/06** (2013.01 - EP US); **A24D 3/068** (2013.01 - EP KR US); **A24D 3/10** (2013.01 - EP KR US); **D21H 11/20** (2013.01 - EP KR US); **D21H 15/06** (2013.01 - EP US); **D21H 27/00** (2013.01 - EP US); **D21H 27/08** (2013.01 - RU US); **A24D 1/02** (2013.01 - RU); **A24D 3/06** (2013.01 - RU); **A24D 3/10** (2013.01 - RU); **D21H 15/06** (2013.01 - RU)

Citation (search report)
See references of WO 2014015921A1

Cited by
WO2017162347A1; DE102016105235A1; DE102016105235B4; WO2023021227A1

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)
WO 2014015921 A1 20140130; WO 2014015921 A8 20140403; BR 112014030317 A2 20170627; BR 112014030317 B1 20210518; CN 104428467 A 20150318; CN 104428467 B 20170308; DE 102012106801 A1 20140130; EP 2761085 A1 20140806; EP 2761085 B1 20150311; ES 2539003 T3 20150625; KR 102161864 B1 20201006; KR 20150036025 A 20150407; MY 167400 A 20180816; PH 12014502759 A1 20150209; PH 12014502759 B1 20150209; PL 2761085 T3 20150831; RU 2014148762 A 20160920; RU 2624301 C2 20170703; US 2015173414 A1 20150625; US 9392817 B2 20160719

DOCDB simple family (application)
EP 2013001422 W 20130514; BR 112014030317 A 20130514; CN 201380036369 A 20130514; DE 102012106801 A 20120726; EP 13722685 A 20130514; ES 13722685 T 20130514; KR 20157000495 A 20130514; MY PI2014003601 A 20130514; PH 12014502759 A 20141209; PL 13722685 T 20130514; RU 2014148762 A 20130514; US 201314416680 A 20130514