

Title (en)
WRAPPING PAPER HAVING TRANSPARENT REGIONS

Title (de)
UMHÜLLUNGSPAPIER MIT DURCHSCHEINENDEN BEREICHEN

Title (fr)
PAPIER D'ENROBAGE POURVU DE ZONES TRANSPARENTES

Publication
EP 3298198 B1 20190130 (DE)

Application
EP 16722623 A 20160506

Priority
• DE 102015107829 A 20150519
• EP 2016060215 W 20160506

Abstract (en)
[origin: WO2016184701A1] The invention relates to thin printing paper that contains pulp fibers and at least one acid-soluble filler, the content of acid-soluble filler being at least 10 wt% relative to the entire mass of the thin printing paper, the thin printing paper having portions with lower transparency and portions with higher transparency, the mass fraction of the specified acid-soluble filler relative to the surface being at least 10% lower in the portions of higher transparency than in the regions of lower transparency, and, for the transparency in the portions of higher transparency, at least one of the following criteria being satisfied: - the transparency measured according to DIN 53147: 1993-01 is at least 20% higher in the portions of higher transparency than the transparency measured according to DIN 53147:1993-01 in the portions of lower transparency, or - the transparency is that much higher in the portions of higher transparency than in the portions of lower transparency that, on a single piece of paper in the transmitted light in artificial lighting with an illuminance of 100 lux to 1000 lux or in daylight not significantly artificially attenuated, a pattern visible to the naked eye and made up of brighter and darker sections can be obtained, the brighter sections corresponding to the portions of higher transparency and the darker sections corresponding to the portions of lower transparency.

IPC 8 full level
D21H 27/00 (2006.01); **A24D 1/02** (2006.01); **D21H 15/02** (2006.01); **D21H 17/14** (2006.01); **D21H 17/67** (2006.01); **D21H 21/40** (2006.01); **D21H 23/22** (2006.01); **D21H 27/10** (2006.01)

CPC (source: CN EP US)
A24D 1/02 (2013.01 - CN EP US); **D21H 15/02** (2013.01 - CN EP US); **D21H 17/14** (2013.01 - CN EP US); **D21H 17/675** (2013.01 - CN EP US); **D21H 21/40** (2013.01 - CN EP US); **D21H 23/22** (2013.01 - CN EP US); **D21H 27/00** (2013.01 - CN EP US); **D21H 27/10** (2013.01 - CN EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ 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 2016184701 A1 20161124; BR 112017023126 A2 20180710; BR 112017023126 B1 20220906; CN 107666835 A 20180206; CN 107666835 B 20200414; DE 102015107829 A1 20161124; DE 102015107829 B4 20170614; EP 3298198 A1 20180328; EP 3298198 B1 20190130; ES 2718738 T3 20190704; JP 2018516565 A 20180628; JP 6789984 B2 20201125; PH 12017502030 A1 20180402; PL 3298198 T3 20190731; US 10362801 B2 20190730; US 2018125114 A1 20180510; WO 2016184698 A1 20161124

DOCDB simple family (application)
EP 2016060222 W 20160506; BR 112017023126 A 20160506; CN 201680028792 A 20160506; DE 102015107829 A 20150519; EP 16722623 A 20160506; EP 2016060215 W 20160506; ES 16722623 T 20160506; JP 2017560300 A 20160506; PH 12017502030 A 20171108; PL 16722623 T 20160506; US 201615574878 A 20160506