

Title (en)

DÉCOR PAPER COMPRISING SELF-DISPERSING PIGMENTS

Title (de)

DEKORPAPIER MIT SELBSTDISPERGIERENDEN PIGMENTEN

Title (fr)

PAPIER DE DÉCORATION COMPRENANT DES PIGMENTS AUTO-DISPERSANTS

Publication

EP 2920362 A1 20150923 (EN)

Application

EP 13789423 A 20131024

Priority

- US 201261725616 P 20121113
- US 2013066566 W 20131024

Abstract (en)

[origin: WO2014078048A1] The disclosure provides decor paper comprising a self-dispersing pigment having an isoelectric point of at least about 8, more typically about 8 to about 10, comprising an inorganic particle, pigment, having a silica treatment and an outermost treatment prepared by sequentially by (a) hydrolyzing an aluminum compound or basic aluminate to deposit a hydrous alumina surface; and (b) adding a dual-functional compound comprising: an anchoring group that attaches the dual-functional compound to the pigment surface, and a basic amine group comprising a primary, secondary or tertiary amine. Typically, the inorganic particle is titanium dioxide, TiO₂. These decor papers comprising the self-dispersing pigments are useful in making paper laminates.

IPC 8 full level

D21H 17/07 (2006.01); **C09C 1/36** (2006.01); **D21H 17/67** (2006.01); **D21H 17/68** (2006.01); **D21H 17/69** (2006.01)

CPC (source: EP US)

C09C 1/021 (2013.01 - EP US); **C09C 1/024** (2013.01 - EP US); **C09C 1/027** (2013.01 - EP US); **C09C 1/043** (2013.01 - EP US); **C09C 1/16** (2013.01 - EP US); **C09C 1/3661** (2013.01 - EP US); **C09C 1/3669** (2013.01 - EP US); **C09C 1/3692** (2013.01 - EP US); **C09C 1/407** (2013.01 - EP US); **C09C 3/006** (2013.01 - EP US); **C09C 3/063** (2013.01 - EP US); **C09C 3/08** (2013.01 - EP US); **D21H 17/07** (2013.01 - EP US); **D21H 17/46** (2013.01 - US); **D21H 17/67** (2013.01 - EP US); **D21H 17/675** (2013.01 - US); **D21H 17/68** (2013.01 - EP US); **D21H 17/69** (2013.01 - EP US); **C01P 2004/62** (2013.01 - EP US); **C01P 2006/10** (2013.01 - EP US); **C01P 2006/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2014078048A1

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)

WO 2014078048 A1 20140522; AU 2013345225 A1 20150528; CA 2891191 A1 20140522; CN 104919113 A 20150916; EP 2920362 A1 20150923; JP 2016501320 A 20160118; US 2015259855 A1 20150917

DOCDB simple family (application)

US 2013066566 W 20131024; AU 2013345225 A 20131024; CA 2891191 A 20131024; CN 201380070288 A 20131024; EP 13789423 A 20131024; JP 2015543063 A 20131024; US 201314441344 A 20131024