

Title (en)

Wrapping material for smoking products having controlled smouldering properties

Title (de)

Rauchwarenumhüllungsmaterial mit kontrollierten Glimmeigenschaften

Title (fr)

Matériau d'enveloppement de produits à fumer ayant des propriétés d'incandescence contrôlées

Publication

EP 2868213 B1 20160720 (DE)

Application

EP 14191057 A 20141030

Priority

- EP 13191043 A 20131031
- EP 14191057 A 20141030

Abstract (en)

[origin: CA2868492A1] A tobacco product wrapping material comprising composite particles is described, the composite particles being obtainable by a method in which: (a) an aqueous suspension containing calcium carbonate particles is prepared; (b) a metal salt comprising an aluminum cation is added, wherein the metal salt (i) is able to form a basic metal component in the suspension and (ii) has a solubility of greater than 9.0 mg/L in water, measured at the pH value of the prepared suspension and at a temperature of 20 °C, as well as a method for the production of same, the use of such tobacco product wrapping material for the production of tobacco products, and the tobacco products produced with them.

IPC 8 full level

A24D 1/02 (2006.01); **D21H 17/66** (2006.01); **D21H 17/67** (2006.01); **D21H 17/69** (2006.01)

CPC (source: EP US)

A24D 1/02 (2013.01 - EP US); **D21H 17/66** (2013.01 - EP US); **D21H 17/675** (2013.01 - EP US); **D21H 17/69** (2013.01 - EP US); **A24D 1/025** (2013.01 - EP US)

Citation (opposition)

Opponent : Schweitzer-Mauduit International, Inc.

- WO 2012155687 A1 20121122 - MINFENG SPECIAL PAPER CO LTD [CN], et al
- CN 202039252 U 20111116 - ZHUHAI S E Z HONGTA RENHENG PAPER CO LTD
- EP 0419974 A2 19910403 - REYNOLDS TOBACCO CO R [US]
- US 4964427 A 19901023 - CASE PAUL D [GB], et al
- US 2007107864 A1 20070517 - HAHNLE HANS-JOACHIM [DE], et al
- EP 2071965 A1 20090624 - REEMTSMA H F & PH [DE]
- US 5722433 A 19980303 - ISHINO YOSHIKI [JP], et al
- WO 2011151525 A1 20111208 - NORDKALK OY AB [FI], et al
- WO 9708249 A1 19970306 - ECC INT INC [US]
- GB 1207220 A 19700930 - PFIZER & CO C [US]
- CA 2016262 A1 19910312 - BAERLE & CIE AG [CH]
- WO 2004047572 A1 20040610 - REYNOLDS TOBACCO CO R [US]
- WO 0237991 A1 20020516 - SCHWEITZER MAUDUIT INTERNAT [US]
- "aluminium sulfate", WIKIPEDIA, 1 March 2017 (2017-03-01), pages 1 - 7, XP055374756
- "ammonium aluminium sulfate", WIKIPEDIA, 17 March 2017 (2017-03-17), pages 1 - 4, XP055374758

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)

EP 2868213 A1 20150506; **EP 2868213 B1 20160720**; BR 102014027023 A2 20150915; CA 2868492 A1 20150430; CA 2868492 C 20170321; CN 104594128 A 20150506; CN 104594128 B 20170412; ES 2588833 T3 20161107; HU E030190 T2 20170428; JP 2015091232 A 20150514; JP 5969572 B2 20160817; KR 101812693 B1 20171227; KR 20150050466 A 20150508; MX 2014013297 A 20150527; PH 12014000291 A1 20160502; PH 12014000291 B1 20160502; PL 2868213 T3 20170131; RU 2014143965 A 20160527; RU 2587066 C2 20160610; US 2015114414 A1 20150430; US 9775377 B2 20171003

DOCDB simple family (application)

EP 14191057 A 20141030; BR 102014027023 A 20141029; CA 2868492 A 20141021; CN 201410602320 A 20141031; ES 14191057 T 20141030; HU E14191057 A 20141030; JP 2014221698 A 20141030; KR 20140148682 A 20141029; MX 2014013297 A 20141031; PH 12014000291 A 20141020; PL 14191057 T 20141030; RU 2014143965 A 20141030; US 201414529530 A 20141031