

Title (en)  
AQUEOUS SURFACE-COATING AGENT FOR PAPER AND PAPERBOARD

Title (de)  
WÄSSRIGES OBERFLÄCHENBESCHICHTUNGSMITTEL FÜR PAPIER UND PAPPE

Title (fr)  
AGENT DE REVÊTEMENT DE SURFACE AQUEUX POUR PAPIERS ET CARTONS

Publication  
**EP 3164543 A1 20170510 (DE)**

Application  
**EP 15731313 A 20150623**

Priority  
• EP 14175594 A 20140703  
• EP 2015064133 W 20150623

Abstract (en)  
[origin: WO2016001016A1] The present invention pertains to an aqueous surface-coating agent for paper and paperboard, the aqueous surface-coating agent comprising 1-55 wt.% of solid content and containing (A) 0-20 parts by weight of starch (solid), (B) 0.01-20 parts by weight of a zirconium carbonate composition, and (C) 0.01-40 parts by weight of a synthetic water soluble polymer (solid) comprising one or more monomers with monoethylenic double bonds in the polymerized form. The present invention further pertains to a paper and paperboard manufacturing method using the aqueous surface-coating agent, and corrugated board made from said paper.

IPC 8 full level  
**D21H 23/66** (2006.01); **D21H 17/37** (2006.01); **D21H 17/55** (2006.01); **D21H 17/56** (2006.01); **D21H 19/10** (2006.01); **D21H 19/12** (2006.01); **D21H 19/54** (2006.01); **D21H 19/60** (2006.01); **D21H 19/64** (2006.01); **D21H 21/18** (2006.01)

CPC (source: CN EP KR US)  
**D21H 17/37** (2013.01 - CN EP KR US); **D21H 17/55** (2013.01 - CN EP KR US); **D21H 17/56** (2013.01 - CN EP KR US); **D21H 19/10** (2013.01 - CN EP KR US); **D21H 19/12** (2013.01 - CN EP KR US); **D21H 19/385** (2013.01 - US); **D21H 19/54** (2013.01 - CN EP KR US); **D21H 19/56** (2013.01 - US); **D21H 19/60** (2013.01 - CN EP KR US); **D21H 19/64** (2013.01 - CN EP KR US); **D21H 21/18** (2013.01 - CN EP KR US); **D21H 23/66** (2013.01 - CN EP KR); **D21J 1/08** (2013.01 - US)

Citation (search report)  
See references of WO 2016001016A1

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 2016001016 A1 20160107**; CN 106661843 A 20170510; EP 3164543 A1 20170510; KR 20170026594 A 20170308; US 2018209099 A1 20180726

DOCDB simple family (application)  
**EP 2015064133 W 20150623**; CN 201580035938 A 20150623; EP 15731313 A 20150623; KR 20177002969 A 20150623; US 201515322367 A 20150623