Title (en)

METHOD FOR IMPROVING SIZING EFFICIENCY OF ASA EMULSION EMULSIFIED BY A POLYMER EMULSIFIER

Title (de)

VERFAHREN ZUR ERHÖHUNG DER EFFIZIENZ DER SCHLICHTUNG EINER DURCH EINEN POLYMER-EMULGATOREN EMULGIERTEN ASA-EMULSION

Title (fr)

PROCÉDÉ POUR AMÉLIORER L'EFFICACITÉ DE COLLAGE D'UNE ÉMULSION ASA ÉMULSIFIÉE PAR UN ÉMULSIFIANT POLYMÈRE

Publication

EP 3087223 A1 20161102 (EN)

Application

EP 14873734 A 20141218

Priority

- CN 201310728543 A 20131225
- US 2014071139 W 20141218

Abstract (en)

[origin: WO2015100125A1] The present invention relates to a method for improving sizing efficiency of an ASA sizing agent in a paper-making process. In particular, the invention comprises: sizing a pulp slurry by using the polymer emulsifier emulsified ASA emulsion as sizing agent, and adding, as a paper-making filler, paper-making filler particles modified by a hydroxyl-containing hydrocarbon natural polymer polysaccharide compound to the pulp slurry.

IPC 8 full level

D21H 21/16 (2006.01); **D21H 17/28** (2006.01); **D21H 17/67** (2006.01)

CPC (source: EP KR US)

D21C 9/005 (2013.01 - US); **D21H 17/16** (2013.01 - EP US); **D21H 17/24** (2013.01 - US); **D21H 17/28** (2013.01 - EP KR US); **D21H 17/29** (2013.01 - US); **D21H 17/32** (2013.01 - US); **D21H 17/375** (2013.01 - EP US); **D21H 17/67** (2013.01 - EP KR US); **D21H 17/675** (2013.01 - US); **D21H 17/69** (2013.01 - EP US); **D21H 21/16** (2013.01 - EP KR US)

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 2015100125 A1 20150702; CA 2929377 A1 20150702; CN 104746388 A 20150701; CN 104746388 B 20180508; EP 3087223 A1 20161102; EP 3087223 A4 20170802; JP 2017500454 A 20170105; KR 20160103067 A 20160831; MX 2016008434 A 20161014; US 2016326698 A1 20161110

DOCDB simple family (application)

US 2014071139 W 20141218; CA 2929377 A 20141218; CN 201310728543 A 20131225; EP 14873734 A 20141218; JP 2016539963 A 20141218; KR 20167020200 A 20141218; MX 2016008434 A 20141218; US 201415108383 A 20141218