

Title (en)  
FILLER SUSPENSION AND ITS USE IN THE MANUFACTURE OF PAPER

Title (de)  
FÜLLSTOFFSUSPENSION UND DEREN VERWENDUNG BEI DER PAPIERHERSTELLUNG

Title (fr)  
SUSPENSION DE CHARGE ET SON UTILISATION DANS LA FABRICATION DE PAPIER

Publication  
**EP 2904147 A1 20150812 (EN)**

Application  
**EP 13779677 A 20131003**

Priority  
• US 201261710624 P 20121005  
• US 201261718137 P 20121024  
• US 201361857600 P 20130723  
• US 2013063310 W 20131003

Abstract (en)  
[origin: WO2014055780A1] Provided herein are filler suspensions comprising an ionic starch, a complementary ionic coadditive and filler particles. Pulp furnishes comprising the filler suspensions and paper comprising the pulp furnish are also provided. Processes for making the filler suspensions and processes for their use in manufacturing paper are also provided.

IPC 8 full level  
**D21H 17/25** (2006.01); **D21H 17/00** (2006.01); **D21H 17/28** (2006.01); **D21H 17/29** (2006.01); **D21H 17/34** (2006.01); **D21H 17/41** (2006.01); **D21H 17/42** (2006.01); **D21H 17/63** (2006.01); **D21H 17/67** (2006.01); **D21H 17/68** (2006.01)

CPC (source: EP US)  
**D21H 17/25** (2013.01 - EP US); **D21H 17/28** (2013.01 - EP US); **D21H 17/29** (2013.01 - EP US); **D21H 17/34** (2013.01 - EP US); **D21H 17/375** (2013.01 - US); **D21H 17/41** (2013.01 - EP US); **D21H 17/42** (2013.01 - EP US); **D21H 17/63** (2013.01 - EP US); **D21H 17/67** (2013.01 - EP US); **D21H 17/675** (2013.01 - US); **D21H 17/68** (2013.01 - EP US); **D21H 17/74** (2013.01 - EP US); **D21H 21/10** (2013.01 - US)

Citation (search report)  
See references of WO 2014055787A1

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 2014055780 A1 20140410**; BR 112015007620 A2 20170704; CA 2886671 A1 20140410; CN 104781469 A 20150715; EP 2904147 A1 20150812; IN 2852DEN2015 A 20150911; JP 2015533954 A 20151126; KR 20150063561 A 20150609; MX 2015004176 A 20150925; RU 2015116429 A 20161127; US 2015197892 A1 20150716; WO 2014055787 A1 20140410; ZA 201502047 B 20160127

DOCDB simple family (application)  
**US 2013063301 W 20131003**; BR 112015007620 A 20131003; CA 2886671 A 20131003; CN 201380052234 A 20131003; EP 13779677 A 20131003; IN 2852DEN2015 A 20150407; JP 2015535790 A 20131003; KR 20157011756 A 20131003; MX 2015004176 A 20131003; RU 2015116429 A 20131003; US 2013063310 W 20131003; US 201514670236 A 20150326; ZA 201502047 A 20150325