

Title (en)

PREFLOCCULATION OF FILLERS USED IN PAPERMAKING

Title (de)

VORAB-AUSFLOCKUNG VON FÜLLSTOFFEN IN DER PAPIERHERSTELLUNG

Title (fr)

PRÉFLOCCULATION DE CHARGES UTILISÉES DANS LA FABRICATION DE PAPIER

Publication

**EP 2914774 A4 20160629 (EN)**

Application

**EP 13850762 A 20131018**

Priority

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- US 2013065732 W 20131018

Abstract (en)

[origin: WO2014070488A1] A method of preparing a stable dispersion of flocculated filler particles for use in papermaking processes comprises use of microparticle prior to, simultaneous to, and/or after addition of a first flocculating agent to an aqueous dispersion of filler particles, followed by addition of a second flocculating agent to the dispersion and further optional shearing of the resultant filler flocs to the desired particle size resulting in shear resistant filler flocs with a defined and controllable size distribution. In addition, a neutralizing coagulant can be added to the dispersion to partially or completely neutralize the charge of the filler before the microparticle and/or the first flocculating agent is added.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [XYI] US 2012199304 A1 20120809 - CHENG WEIGUO [US], et al
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- See references of WO 2014070488A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2014070488 A1 20140508**; AR 093258 A1 20150527; BR 112015007883 A2 20170704; BR 112015007883 A8 20190827; BR 112015007883 B1 20220329; CA 2885582 A1 20140508; CA 2885582 C 20201027; CN 104755673 A 20150701; CN 104755673 B 20171215; EP 2914774 A1 20150909; EP 2914774 A4 20160629; JP 2015533392 A 20151124; JP 6300815 B2 20180328; KR 102134248 B1 20200715; KR 20150079932 A 20150708; TW 201439401 A 20141016; TW I487823 B 20150611

DOCDB simple family (application)

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