

Title (en)

METHOD FOR CLEAN FIBER RECOVERY FROM CONTAMINATED ARTICLES

Title (de)

VERFAHREN FÜR SAUBERE FASERGEWINNUNG AUS VERUNREINIGTEN ARTIKELN

Title (fr)

PROCÉDÉ DE RÉCUPÉRATION DE FIBRES PROPRES SUR DES ARTICLES CONTAMINÉS

Publication

**EP 3322849 A4 20190313 (EN)**

Application

**EP 16825230 A 20160715**

Priority

- US 201562192737 P 20150715
- US 2016042415 W 20160715

Abstract (en)

[origin: WO2017011722A1] A method (10) for cleaning fibers from a contaminated article is disclosed. The method (10) can include pulping (20) a contaminated article to separate the fibers or filaments from the contaminated article in a first solution to provide dissociated pulped fibers. The method (10) can also include washing (26) the dissociated pulped fibers by forming a suspension comprising the dissociated pulped fibers from the contaminated article and a detergent, applying a magnetic field to the suspension, and mixing the suspension to wash the dissociated pulped fibers while applying the magnetic field to the suspension thereby forming washed pulped fibers. Contaminates can be removed from the suspension while washing (26) the dissociated pulped fibers. The washed pulped fibers can be rinsed and dried to provide clean fibers.

IPC 8 full level

**D21C 9/02** (2006.01); **D06B 3/10** (2006.01); **D21B 1/02** (2006.01); **D21C 9/08** (2006.01)

CPC (source: EP US)

**D06B 3/02** (2013.01 - US); **D21B 1/026** (2013.01 - EP US); **D21C 9/02** (2013.01 - EP US); **D21C 9/08** (2013.01 - US); **D06B 2700/36** (2013.01 - US)

Citation (search report)

- [X] US 2013224486 A1 20130829 - BRANSCOMB ELBERT [US], et al
- [X] EP 0869218 A1 19981007 - WESTVACO CORP [US]
- [A] CA 2328259 A1 20020614 - WESTVACO CORP [US]
- [A] WO 9627045 A1 19960906 - WATSON DANA L [US], et al
- See references of WO 2017011722A1

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)

**WO 2017011722 A1 20170119**; EP 3322849 A1 20180523; EP 3322849 A4 20190313; US 2018202102 A1 20180719

DOCDB simple family (application)

**US 2016042415 W 20160715**; EP 16825230 A 20160715; US 201615744461 A 20160715