

Title (en)

METHOD FOR TREATING NON-WOVEN FIBROUS MATERIALS AND BLEACHING DEVICE

Title (de)

VERFAHREN ZUR BEHANDLUNG UNVERWOBENER FASERSTOFFE UND VORRICHTUNG ZUM BLEICHEN

Title (fr)

PROCEDE POUR TRAITER DES MATIERES FIBREUSES NON ENTRELACEES ET DISPOSITIF DE BLANCHIMENT

Publication

EP 1891266 B1 20140730 (DE)

Application

EP 06763710 A 20060614

Priority

- EP 2006063209 W 20060614
- DE 102005028046 A 20050616
- DE 102005049230 A 20051014

Abstract (en)

[origin: WO2006134127A1] The invention relates to a bleaching device (38) and to a method for bleaching non-woven fibrous materials in a suspension, particularly in the form of pulp or fiber slurry, in or on a treatment volume provided by delimiting walls, whereby the suspension can be filled into or permitted to flow through the treatment volume, with at least one first electrode (43'). A bleaching action is brought about by a high-voltage pulse generator (46), which is connected to the first electrode (43') and with which a plasma can be generated in the treatment volume and/or in the immediate surrounding area thereof. The invention further decreases the use of chemicals for bleaching fibrous substances.

IPC 8 full level

D21C 9/00 (2006.01); **D21C 9/10** (2006.01); **D21H 25/04** (2006.01)

CPC (source: EP)

D21C 9/007 (2013.01); **D21C 9/10** (2013.01); **D21H 25/04** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006134127 A1 20061221; DE 102005049230 A1 20061228; EP 1891266 A1 20080227; EP 1891266 B1 20140730; ES 2520891 T3 20141112

DOCDB simple family (application)

EP 2006063209 W 20060614; DE 102005049230 A 20051014; EP 06763710 A 20060614; ES 06763710 T 20060614