

Title (en)  
SIEVE MECHANISM FOR THE PRODUCTION OF PAPER, AND METHOD FOR THE TREATMENT OF NONWOVEN FIBERS

Title (de)  
SIEBVORRICHTUNG FÜR DIE HERSTELLUNG VON PAPIER UND VERFAHREN ZUR BEHANDLUNG UNVERWOBENER FASERSTOFFE

Title (fr)  
DISPOSITIF DE TAMISAGE POUR LA FABRICATION DU PAPIER, ET PROCEDE DE TRAITEMENT DE MATIERE FIBREUSE A FIBRES NON ENTRECROISEES

Publication  
**EP 1896654 A1 20080312 (DE)**

Application  
**EP 06777289 A 20060608**

Priority

- EP 2006063025 W 20060608
- DE 102005028023 A 20050616
- DE 102005049287 A 20051014
- DE 102005049290 A 20051014

Abstract (en)  
[origin: US2008196854A1] To increase the processing speed of a sieve mechanism ( 9 ) for extracting carrier liquid from a fiber suspension ( 39 ) during the production of paper ( 27 ), paperboard, or cardboard, the sieve mechanism ( 9 ) is provided with a first electrode ( 43 ) which is disposed above, in, or below a sieve region and is connected to a high-voltage surge generator ( 46 ). A plasma can be generated in the fiber suspension ( 39 ) or in the immediate vicinity thereof, whereby the tensile strength of the paper ( 27 ) is also increased.

IPC 8 full level  
**D21F 1/00** (2006.01); **D21H 25/04** (2006.01)

CPC (source: EP US)  
**D21F 1/00** (2013.01 - EP US); **D21H 25/14** (2013.01 - EP US)

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 2006134069 A1 20061221**; AT E412799 T1 20081115; BR PI0611762 A2 20100928; CN 101198747 A 20080611;  
CN 101198747 B 20120314; DE 502006001952 D1 20081211; EP 1896654 A1 20080312; EP 1896654 B1 20081029; ES 2313678 T3 20090301;  
JP 2008544095 A 20081204; JP 4699519 B2 20110615; PL 1896654 T3 20090430; US 2008196854 A1 20080821

DOCDB simple family (application)  
**EP 2006063025 W 20060608**; AT 06777289 T 20060608; BR PI0611762 A 20060608; CN 200680021211 A 20060608;  
DE 502006001952 T 20060608; EP 06777289 A 20060608; ES 06777289 T 20060608; JP 2008516288 A 20060608; PL 06777289 T 20060608;  
US 91693306 A 20060608