

Title (en)
PROCESS FOR PRODUCING A PAPER OR BOARD AND A PAPER OR BOARD PRODUCED ACCORDING TO THE PROCESS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON PAPIER ODER PAPPE SOWIE DAS DANACH HERGESTELLTE PAPIER- ODER PAPPEPRODUKT

Title (fr)
PROCEDE DE PRODUCTION DE PAPIER OU DE CARTON ET PRODUIT RESULTANT

Publication
EP 1799905 A1 20070627 (EN)

Application
EP 05792428 A 20051013

Priority
• SE 2005001520 W 20051013
• US 61937004 P 20041015

Abstract (en)
[origin: US2008023164A1] The present invention concerns a process for producing a paper or board product, which process comprises providing a furnish comprising fibers; subjecting a first portion (1) of the furnish to polymer treatment, in which polymers are added to the furnish in at least two steps; blending said polymer treated first portion with an untreated second portion (2) of the furnish; and dewatering the furnish on a wire to form a fiber web. By treating only a portion of the furnish, the strength of the resulting paper or board product is significantly improved whereas the bulk remains substantially unaffected. The invention also concerns a paper or board product produced according to the process.

IPC 8 full level
D21H 11/20 (2006.01); **D21H 17/26** (2006.01); **D21H 17/29** (2006.01); **D21H 23/06** (2006.01)

CPC (source: EP US)
D21C 9/002 (2013.01 - EP US); **D21H 11/20** (2013.01 - EP US); **D21H 17/26** (2013.01 - EP US); **D21H 17/29** (2013.01 - EP US);
D21H 23/04 (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 2006041401 A1 20060420; AT E537298 T1 20111215; BR PI0516078 A 20080819; CA 2581361 A1 20060420; CN 101040083 A 20070919; CN 101040083 B 20100811; DK 1799905 T3 20120213; EP 1799905 A1 20070627; EP 1799905 A4 20100616; EP 1799905 B1 20111214; ES 2377754 T3 20120330; JP 2008517174 A 20080522; JP 4976300 B2 20120718; NZ 554090 A 20090731; RU 2007117910 A 20081120; RU 2367739 C2 20090920; US 2008023164 A1 20080131

DOCDB simple family (application)
SE 2005001520 W 20051013; AT 05792428 T 20051013; BR PI0516078 A 20051013; CA 2581361 A 20051013; CN 200580035222 A 20051013; DK 05792428 T 20051013; EP 05792428 A 20051013; ES 05792428 T 20051013; JP 2007536653 A 20051013; NZ 55409005 A 20051013; RU 2007117910 A 20051013; US 66522905 A 20051013