

Title (en)
A PROCESS FOR PRODUCTION OF A PAPER OR PAPERBOARD PRODUCT

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES PAPIER- ODER KARTONPRODUKTS

Title (fr)
PROCÉDÉ POUR LA PRODUCTION D'UN PRODUIT EN PAPIER OU EN CARTON

Publication
EP 2507432 A1 20121010 (EN)

Application
EP 10834832 A 20101130

Priority
• SE 0950930 A 20091203
• SE 2010051322 W 20101130

Abstract (en)
[origin: WO2011068457A1] The present invention relates to a process for producing a paper or paperboard product which process comprises the steps of, providing a furnish comprising fibers, adding starch to the furnish, adding microfibrillated cellulose to the furnish, conducting the furnish to a wire in order to form a web, wherein the starch and microfibrillated cellulose is added separately to the furnish.

IPC 8 full level
D21H 17/25 (2006.01); **D21H 11/18** (2006.01); **D21H 11/20** (2006.01); **D21H 17/28** (2006.01); **D21H 21/18** (2006.01); **D21H 21/50** (2006.01)

CPC (source: EP SE US)
B82Y 30/00 (2013.01 - SE); **D21H 17/25** (2013.01 - SE); **D21H 17/28** (2013.01 - EP SE US); **D21H 21/18** (2013.01 - SE); **D21H 21/50** (2013.01 - SE); **D21H 11/18** (2013.01 - EP US); **D21H 21/18** (2013.01 - EP US); **D21H 27/30** (2013.01 - EP US)

Citation (third parties)
Third party :
• WO 2010125447 A1 20101104 - ERICSSON TELEFON AB L M [SE], et al
• WO 2008076056 A1 20080626 - AKZO NOBEL NV [NL], et al
• WO 03078732 A2 20030925 - CERESTAR HOLDING BV [NL], et al
• US 2003192664 A1 20031016 - KULICK RUSSELL J [US], et al
• EP 1469126 A1 20041020 - KANSAI TECH LICENSING ORG CO [JP]
• FRANK J MISKIEL ET AL: "USE OF HIGH AMYLOSE CORN STARCH TO IMPROVE THE INCREASE IN PAPER STRENGTH ATTAINED BY ADDITION OF MICROFIBRILLATED CELLULOSE", RESEARCH DISCLOSURE, vol. 428, no. 6, XP007125106
• ERIKSEN O.: "THE USE OF MICROFIBRILLATED CELLULOSE PRODUCED FROM KRAFT PULP AS STRENGTH ENHANCER IN TMP PAPER", NORD. PULP PAPER RES. J, vol. 23, no. 3, 2008, pages 299 - 304, XP003035513
• See also references of WO 2011068457A1

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 2011068457 A1 20110609; AU 2010327382 A1 20120607; BR 112012013447 A2 20160419; CA 2782342 A1 20110609; CL 2012001385 A1 20121012; CN 102639788 A 20120815; EP 2507432 A1 20121010; EP 2507432 A4 20140122; JP 2013513037 A 20130418; NZ 600151 A 20131025; RU 2012127561 A 20140110; SE 0950930 A1 20110604; SE 535014 C2 20120313; US 2012241114 A1 20120927; ZA 201203737 B 20130227

DOCDB simple family (application)
SE 2010051322 W 20101130; AU 2010327382 A 20101130; BR 112012013447 A 20101130; CA 2782342 A 20101130; CL 2012001385 A 20120529; CN 201080054529 A 20101130; EP 10834832 A 20101130; JP 2012541974 A 20101130; NZ 60015110 A 20101130; RU 2012127561 A 20101130; SE 0950930 A 20091203; US 201013513410 A 20101130; ZA 201203737 A 20120522