

Title (en)
A PROCESS FOR THE PRODUCTION OF PAPER

Title (de)
PAPIERHERSTELLUNGSPROZESS

Title (fr)
PROCÉDÉ POUR LA FABRICATION DE PAPIER

Publication
EP 1882062 B1 20140212 (EN)

Application
EP 06733460 A 20060427

Priority
• SE 2006050090 W 20060427
• EP 05104066 A 20050516
• EP 06733460 A 20060427

Abstract (en)
[origin: WO2006123989A2] The present invention relates to a process for producing paper which comprises: (i) providing an aqueous suspension comprising cellulosic fibres, (ii) adding to the suspension after the last point of high shear: (a) a first anionic component which is a water-soluble anionic organic polymer; (b) a second anionic component which is a water-dispersible or branched anionic organic polymer; and (c) a third anionic component which is an anionic siliceous material; and (iii) dewatering the obtained suspension to form paper. The invention further relates to composition which comprises the first, second and third anionic components and the use of the composition as a flocculating agent in the production of pulp and paper and for water purification.

IPC 8 full level
D21H 17/37 (2006.01); **D21H 17/42** (2006.01); **D21H 17/68** (2006.01); **D21H 21/10** (2006.01); **D21H 23/18** (2006.01); **D21H 23/76** (2006.01)

CPC (source: EP KR)
D21H 3/00 (2013.01 - KR); **D21H 17/42** (2013.01 - KR); **D21H 17/68** (2013.01 - KR); **D21H 21/10** (2013.01 - EP); **D21H 23/18** (2013.01 - EP); **D21H 17/375** (2013.01 - EP); **D21H 17/42** (2013.01 - EP); **D21H 17/68** (2013.01 - EP); **D21H 23/765** (2013.01 - EP)

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 2006123989 A2 20061123; **WO 2006123989 A3 20070201**; AU 2006248157 A1 20061123; AU 2006248157 B2 20091001; BR PI0614081 A2 20110309; BR PI0614081 B1 20190219; CA 2608146 A1 20061123; CA 2608146 C 20110322; CN 101163837 A 20080416; EP 1882062 A2 20080130; EP 1882062 B1 20140212; ES 2457817 T3 20140429; JP 2008540853 A 20081120; JP 4837032 B2 20111214; KR 100957086 B1 20100513; KR 20080006575 A 20080116; PL 1882062 T3 20140731; PT 1882062 E 20140506; RU 2363799 C1 20090810

DOCDB simple family (application)
SE 2006050090 W 20060427; AU 2006248157 A 20060427; BR PI0614081 A 20060427; CA 2608146 A 20060427; CN 200680013848 A 20060427; EP 06733460 A 20060427; ES 06733460 T 20060427; JP 2008509979 A 20060427; KR 20077025594 A 20060427; PL 06733460 T 20060427; PT 06733460 T 20060427; RU 2007146714 A 20060427