

Title (en)
PROCESS FOR MANUFACTURING PAPER

Title (de)
VERFAHREN ZUR HERSTELLUNG VON PAPIER

Title (fr)
PROCEDE DE FABRICATION DE PAPIER

Publication
EP 1470292 B1 20140625 (EN)

Application
EP 03734931 A 20030122

Priority
• EP 03734931 A 20030122
• EP 02445012 A 20020131
• SE 0300112 W 20030122

Abstract (en)
[origin: WO03064767A1] The invention relates to a process for manufacturing paper and board comprising providing a suspension comprising cellulosic fibres and at least a sizing agent, dewatering said suspension thereby forming a paper-web, whereby an aromatic-containing cationic vinyl addition polymer, and an anionic polymer having a weight average molecular weight in the range of from 6,000 up to about 100,000 selected from the group consisting of vinyl addition polymers and condensation polymers is added to the suspension.

IPC 8 full level
D21F 11/00 (2006.01); **D21H 17/00** (2006.01); **D21H 17/16** (2006.01); **D21H 17/17** (2006.01); **D21H 17/42** (2006.01); **D21H 17/44** (2006.01); **D21H 21/10** (2006.01); **D21H 21/16** (2006.01); **D21H 23/06** (2006.01); **D21H 23/14** (2006.01); **D21H 17/29** (2006.01); **D21H 17/37** (2006.01); **D21H 17/45** (2006.01)

CPC (source: EP KR)
D21H 3/00 (2013.01 - KR); **D21H 17/42** (2013.01 - KR); **D21H 17/44** (2013.01 - KR); **D21H 21/16** (2013.01 - KR); **D21H 23/14** (2013.01 - EP); **D21H 17/17** (2013.01 - EP); **D21H 17/29** (2013.01 - EP); **D21H 17/375** (2013.01 - EP); **D21H 17/42** (2013.01 - EP); **D21H 17/45** (2013.01 - EP); **D21H 17/455** (2013.01 - EP); **D21H 21/16** (2013.01 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03064767 A1 20030807; AR 038336 A1 20050112; AU 2003238688 B2 20060406; BR 0307252 A 20041214; BR 0307252 B1 20140204; CA 2473638 A1 20030807; CN 1625631 A 20050608; EP 1470292 A1 20041027; EP 1470292 B1 20140625; ES 2501166 T3 20141001; JP 2005516135 A 20050602; KR 20040075104 A 20040826; MX PA04006655 A 20041004; NO 20043623 L 20041101; NO 336351 B1 20150803; PL 214002 B1 20130628; PL 371243 A1 20050613; PT 1470292 E 20140903; RU 2004126318 A 20050310; RU 2281994 C2 20060820; TW 200400305 A 20040101; TW 593840 B 20040621; ZA 200405126 B 20050831

DOCDB simple family (application)
SE 0300112 W 20030122; AR P030100258 A 20030129; AU 2003238688 A 20030122; BR 0307252 A 20030122; CA 2473638 A 20030122; CN 03803031 A 20030122; EP 03734931 A 20030122; ES 03734931 T 20030122; JP 2003564349 A 20030122; KR 20047011387 A 20030122; MX PA04006655 A 20030122; NO 20043623 A 20040831; PL 37124303 A 20030122; PT 03734931 T 20030122; RU 2004126318 A 20030122; TW 92101338 A 20030122; ZA 200405126 A 20040628