

Title (en)
METHOD FOR THE PRODUCTION OF PAPER, CARDBOARD AND CARD

Title (de)
VERFAHREN ZUR HERSTELLUNG VON PAPIER, PAPPE UND KARTON

Title (fr)
PROCEDE POUR PRODUIRE DU PAPIER, DU CARTON-PATE ET DU CARTON

Publication
EP 1926855 B1 20141112 (DE)

Application
EP 06793230 A 20060905

Priority
• EP 2006066019 W 20060905
• DE 102005043800 A 20050913

Abstract (en)
[origin: WO2007031442A1] Method for the production of paper, cardboard and card by dewatering a paper stock with sheet formation in the presence of a retention agent system made of (i) at least one vinylamine unit-containing polymer in the form of the free bases, the salts and/or in quaternized form as sole cationic polymer, (ii) at least one linear anionic polymer having a molar mass M_{w} of at least 1 million and/or at least one branched anionic water-soluble polymer and/or bentonite and/or silica gel and (iii) at least one particulate, anionic, crosslinked, organic polymer having an average particle diameter of at least 1 μm and an intrinsic viscosity of less than 3 dl/g and also use of the retention agent system made of the components (i), (ii) and (iii) as additive in the production of paper, cardboard and card.

IPC 8 full level
D21H 17/37 (2006.01); **D21H 17/55** (2006.01); **D21H 17/56** (2006.01); **D21H 17/68** (2006.01); **D21H 21/10** (2006.01)

CPC (source: EP US)
D21H 21/10 (2013.01 - EP US); **D21H 17/37** (2013.01 - EP US); **D21H 17/55** (2013.01 - EP US); **D21H 17/56** (2013.01 - EP US); **D21H 17/68** (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 2007031442 A1 20070322; CA 2624998 A1 20070322; CA 2624998 C 20131119; CN 101263263 A 20080910; CN 101263263 B 20121128; DE 102005043800 A1 20070322; EP 1926855 A1 20080604; EP 1926855 B1 20141112; ES 2526200 T3 20150108; JP 2009508017 A 20090226; JP 5091139 B2 20121205; US 2008196852 A1 20080821; US 7918965 B2 20110405

DOCDB simple family (application)
EP 2006066019 W 20060905; CA 2624998 A 20060905; CN 200680033618 A 20060905; DE 102005043800 A 20050913; EP 06793230 A 20060905; ES 06793230 T 20060905; JP 2008530479 A 20060905; US 6568806 A 20060905