

Title (en)

METHOD FOR INCREASING DRY STRENGTH OF PAPER, PAPERBOARD AND CARDBOARD

Title (de)

VERFAHREN ZUR ERHÖHUNG DER TROCKENFESTIGKEIT VON PAPIER, PAPPE UND KARTON

Title (fr)

PROCÉDÉ DE FABRICATION POUR AUGMENTER LA RÉSISTANCE À SEC DE PAPIER ET DE CARTON PRÉSENTANT

Publication

EP 2443284 B1 20180117 (DE)

Application

EP 10724788 A 20100607

Priority

- EP 2010057890 W 20100607
- EP 09007861 A 20090616
- EP 10724788 A 20100607

Abstract (en)

[origin: WO2010145956A1] The invention relates to a method for producing paper, paperboard, and cardboard having high dry strength, by adding (a) at least one trivalent cation in form of a salt; (b) at least one water-soluble cationic polymer; and (c) at least one water-soluble amphoteric polymer to the paper pulp, dehydrating the paper pulp while forming sheets, and subsequent drying of the paper product, wherein the water-soluble cationic polymer (b) is selected from the group of polymers containing vinylamine units (i), and from polymers containing ethylenimine units.

IPC 8 full level

D21H 17/37 (2006.01); **D21H 17/00** (2006.01); **D21H 17/44** (2006.01); **D21H 17/56** (2006.01); **D21H 17/66** (2006.01); **D21H 21/18** (2006.01)

CPC (source: EP US)

D21H 21/18 (2013.01 - EP US); **D21H 17/37** (2013.01 - EP US); **D21H 17/44** (2013.01 - EP US); **D21H 17/56** (2013.01 - EP US); **D21H 17/66** (2013.01 - EP US); **D21H 17/74** (2013.01 - EP US)

Citation (opposition)

Opponent : **Kemira Oyj**

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- JP 2005226174 A 20050825 - KURITA WATER IND LTD
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- JP 2003181466 A 20030702 - HYMO CORP
- WO 2006071961 A1 20060706 - HERCULES INC [US]
- CA 2586076 A1 20060601 - BASF AG [DE]
- US 6132558 A 20001017 - DYLLICK-BRENNINGER RAINER [DE], et al
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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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010145956 A1 20101223; CA 2763508 A1 20101223; CA 2763508 C 20180717; CN 102459760 A 20120516; CN 104532674 A 20150422; EP 2443284 A1 20120425; EP 2443284 B1 20180117; EP 2443284 B2 20201118; ES 2663702 T3 20180416; ES 2663702 T5 20211216; JP 2012530196 A 20121129; JP 5832426 B2 20151216; PL 2443284 T3 20180731; PL 2443284 T5 20210419; US 2012073773 A1 20120329; US 8926797 B2 20150106

DOCDB simple family (application)

EP 2010057890 W 20100607; CA 2763508 A 20100607; CN 201080026943 A 20100607; CN 201410707547 A 20100607; EP 10724788 A 20100607; ES 10724788 T 20100607; JP 2012515423 A 20100607; PL 10724788 T 20100607; US 201013376509 A 20100607